# he Mining Journal

No. 818 .--- Vol. XXI.

LONDON, SATURDAY, APRIL 26, 1851.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

SHARRIORN ALVIS TO FOI PRICE 6D.

TO IRONMASTERS, IRONFOUNDERS, AND OTHERS TO BE SOLD, BY AUCTION, on the 29th of April, at the CLEE HILL IRON-WORKS, near LUDLOW, SHROPSHIRE, a very excellent BLOWING-ENGINE, on the condensing principle: steam cylinder, 23 in. diameter; blowing cylinder, 48 in. diameter; stroke, 6 ft.; with all the necessary parts complete, with boiler, steam-pipes, &c.

A REGULATING CYLINDER and FLY, piston 72 in. diameter, air valves, pipes, &c., connected therewith, and round the formers.

A REGULATING CTLINDER and FLY, piston 72 in. diameter, air valves, pipes, &c., connected therewith, and round the farrasce.

A FORGE and MILL-ENGINE, also on the condensing principle; cylinder 28 inches diameter; stroke, 5 feet—all parts complete, with a new boiler, 24 ft. long, 5 ft. diam. A SET of extra FUMFs; also a BLOWING APPARATUS, for refineries and cupola. TWO small HIGH-FRESSURE ENGINES, one single acting, cylinder 11 inches diameter.
Sundry AlR and WATER PIPES, from 1 fo 10 inches diameter.
TWO FORGE HAMMERS, ONE TILT HAMMER.
A set of puddie ber rolls, a train of merchant bar rolls, with guide rolls for horse nail and wire iron, with housings, &c., all complete, as lately at work.
A large assortment of blacksmith's and foundry tools, tram and core plates, grinding boxes, with sundry cest and wrought-tron, 18 coke ovens, sundry puddling and other farrances on the premises, all the cast and wrought-tron fittings in and about the above, came wrought-tron edge rails for colleries.

The whole in lots as per catalogues, which may be had, after the 21st inst., at the Old Banks, Shrewsbury or Luddow; Mr. Davis, the auctioneer, Luddow; Mr. Bridger, stationer, Wolverhampton; or Mr. Thomson, St. John-square, Wolverhampton.

SALE OF EXCELLENT MINE MACHINERY AND MATERIAL

R. GUMMOE is instructed to SELL, BY AUCTION, on Thursday, the let day of May next, all the excellent MATERIALS of HALLOON MINE, in the parish of ST. COLUMB, and close to the Indian Queens, consisting of—A 32-inch STEAM-ENGINE, 8-feet stroke, with a new 10-ton boiler, &c., complete (unless previously disposed of by private contract, of which due notice will be given in next week's Journal).

Capitan and shears; horse-whim, complete.

16 fathoms of 1-inch ditto, with 72-inch ditto.

10 fathoms of 9-inch ditto, with 72-inch ditto.

New 10-inch working and doorpiece.

300 fathoms of 1-inch flat rods, pulleys and frames, complete.

100 fathoms of chain; 100 fathoms of 6-inch launders; 70 fathoms of ladders.

Cisterns and bearers, 1 piece of 10-in. mainrod, strapping plates and pins, shears, double crabb winch, water-wheel, centre pieces, screw stocks, smitth's bellows, auvil, vice, smiths' and miners' tools, strapping and rod-plates, yokes, staples and glands, pump rings, bucket rods and prongs, bob-strapp, gad and bilister steel, wrought and cast-from, nalls, hooping, some 4-inch was, pick and shovel hills, leather, new and other rops, several dozen candles, oil, greese, yarn, safety fines, several windlesses, barrows, new balance-box, doors and frames, window frames and sashes, roofs of timber house, smiths' shop and bollerhouse, the ACCOUNT HOUSE FURNITURE, consisting of the usual requisites, and other miscellaneous effects.

The Auctioner confidently lavies an inspection of the above materials, nearly the

house, the ACCOUNT-HOUSE FURNITURE, consisting of the unual requireds, another miscellaneous effects.

The Auctionest confidently lavites an inspection of the above materials, nearly the whole of which has been purchased new within the last nine months. Their proximity to the turnpike and other excellent roads affording the additional advantage of a chesi and expeditions removal.

The Sale will commence at Eleven o'clock precisely, the lots being very, numerous. Further information may be obtained on application to Mr. Gray, engineer, Rocks and Treverbry Iunited Mines; or to the auctioner, St. Austell.

Dated Imperial Fire and Life Insurance Office, St. Austell, April 16, 1851.

EXTENSIVE SALE OF COLLIERY STOCK, POWERFUL PUMPING AND WIND ING-ENGINES, FOUR WORKING BARRELS (all brass, from 5 to 10 ft. long), About 100 tons of SCRAP-1RON, &c. &cc.

R. W. PEARSON will SELL, BY AUCTION, on Monday
the 4th day of MAY, 1851, punctually at Eleven o'clock in the forencon, at the
EKLESS COLLIERY, in ASPULL, near WIGAN, in the county of Lancaster,
SIX STEAM - ENGINES,
EN BOILERS, and other materials, in consequence of the colliery being worked out

RIRKLESS COLLIERY, in ASPCIL, near WIGAN, in the county of Lancaster,

SIX STEAM - ENGINES,

TEN BOHLERS, and other materials, in consequence of the colliery being worked out, and the proprietor having no further use for them, including a valuable condensing BEAM-ENGINE, of 11-b. bores power, with the pumping tackie, two lifts of 1-inch pump stocks, together 16 yards long, two brass working barrels, each about 10 feet long by 181 and 181 inches diameter, and THREE BOILERS; together vift the furnace-work file working the said engine. This powerful, wall-proportioned, and admirably-working angine, with the other costly apparatus belonging to it, and the excellently-manufactured boilers, are highly deserving the attention of purchasers.

ONE THIETY HORSE HIGH-PRESSURE ENGINE, with boiler and furnace-work, Ashiar stone pillars, head gass, winding and pumping gast, working barrels, &c.

A FOURTEEN-HORSE CONDENSING-ENGINE, with two globular boilers, furnace-work, winding gear, pumping apparatus, and engine pillars.

ONE EIGHT-HORSE CONDENSING-ENGINE, with boiler, furnace-work, the winding and pumping goar, and Ashiar stone engine-bed. One CONDENSING-ENGINE, of 7-horse power, with a globular boiler, furnace-work, the winding and pumping goar, and Ashiar stone engine-bed. One CONDENSING-ENGINE, of 7-horse power, with a globular boiler, furnace-work, the winding and pumping goar, and Ashiar stone engine-bed. One CONDENSING-ENGINE, and adolbe pumping crank shaft (which are wrought-tron), Legs, &c., and Ashiar stone pillars. A 6-horse CONDENSING-ENGINE, with a globular boiler, furnace-work, winding goar, ongine pillars, &c., and an accellent head goar, with regulators, equal to new. A small high-pressure CYLINDEICAL BOILER, new in 1848, furnace-work, winding goar, on the condition of the kingdom. For any

SALE OF VALUABLE FREEHOLD ESTATES, ABOUNDING IN MINERALS. MR. ROBERT EVAN'S will SELL, BY AUCTION, at the Wyndham Arms Inn, BRIDGEND, on Wednesday, the 28th day of May, 1883, at Three o'clock in the afternoon, in such lots as may be determined on at the sale, and subject to certain conditions to be there produced, all those extensive and valuable FREEHOLD FARMS AND LANDS, called HENDRE OWEN, TIR MERCHED AB EVAN CADARN, and TIR PENTWYN, containing together by admeasurement 862a. 1a. 22r., or thereabout, and occupied by yearly treams.

containing together by admeasurement sora. In 127, or increasons, and occupies by yearly tensaints.

Also, all that compact and valuable FREEHOLD FARM and LANDS, called TROED-YRHIW, otherwise ABERCERDIN, containing by admeasurement 1314. oz. 147, or thereasons, the surface of which is occupied by a yearly tensain, but the minerals are subsect to a lease for a long term of years, at a sleeping rent of £100 per annum, and cer-

in royalities.

And also, a FREEHOLD INN or TAVERN, at Comercin, with the LANDS held herewith, and several FREEHOLD HOUSES aust GARDENS, subject to leases, at yearly round reads, and containing together about 17 acres of land.

The whole of this exceedingly valuable property is situate in the parish of LLANGO-IOYD, GLAMORGANSHIRE, and in the vicinity of the South Wales Railway, the Cwm twor Copper and Iron-Works, the Massing Iron-Works, and other mining establishness, and abounds in CoAL, GULM, HRONSTONE, BLAGERSAND, and other Mining assess through part of the property, communicating with the port of Porthcawl, and nearly oining the South Wales Railway, and other means of transit are being projected.

There are also some thriving plantations on the lands,
Farther particulars may be obtained on application to Michael Forster, Esq., C.E.,

region for Robert Evans, actioneer, Bridgend; or to Mr. John Travillicitor, Swansea, at whese offices map of the seates may be inspected.

VALUABLE COAL and IRON-WORKS, with suitable MACHINERY and APPURITE-NAMES, sirveding an opportunity seldom offered for acquiring a licerative concern.

MESSRS. A DAM MURRAY AND SON will SELL, BY AUCTION, at Garraway's, on Monday, the 2d of June next (unless an acceptable offer is previously made by private contract one week at least before that date), the BROMLEY HILL COAL AND IRON-WORKS, complete offer is previously made by private contract one week at least before that date), the BROMLEY HILL and MIDSUMMER LEVELS, containing 200 acres, and the IRON MIRE adjoining, containing 400 acres, with a STEAM-ENGINE, of 46-horse power, and a BLAST FURNACE, capable of ensiting 30 to 90 tune of pig-sizes per week—situate in the village of BREAM, four miles from Coletors.

For perticular, supply to Messrs, Capable of ensiting 30 to 90 tune of pig-sizes per week—situate in the village of BREAM, four miles from Coletors.

For perticular, supply to Messrs, Capable of Supplin, Bichards, and Situbbin, solicitors, Birmingham; Messrs, Abbott & Lucas, solicitors, Bristoi, with place of sale; and of Messrs, Adam Murray and Son, surveyors and land agents, 100 BE L. E.T. ON J. P. A.O.

TO BE LET, ON LEASE, a capital SLATE QUARRY, known by the name of the SEALY HAM QUARRY; it has been worked for as cars, and has covered the principal houses in the county—is of a fine blue colour, exemply durable, and is to well known to need any recommendation. It is situate about all a mile from the South Wales Helipead, and half-way between Hawerfordwest and Heliparat—about 7 miles from each place, and adjoining the turupite-road. Water machinery is used, and every accommodation will be given for carrying on the work.

Apply to Mr. Edwardes, Scaly Ham,—April 3, 1881.

MINE SHARES FOR SALE.

MR. G. JENKIN PHILLIPPS will SELL, BY PUBLIC

Commercial Hotal, CAMBORNE, on Monday, the 5th of May next, at 81x o'clock in the
evening, SHARES in the following promising MRNING SPECULATIONS—viz.:

SIXTY (2510ths) PARTS, or SHARES, in COOK'S KITCHEN.

TEN (1000ths) PARTS, or SHARES, in CAMBORNE CONSOLS.

FOUR (257ths) PARTS, or SHARES, in WHEAL TRYPHENA.

SEVEN (1000ths) PARTS, or SHARES, in COPPER BOTTOM.

And also a FEW SHARES in "seed of the following MINES—viz.:

And also a FEW SHARES in each of the following MINES—viz.:

Wheal Carpenter
East Tywarahaylo
Hawk's Point
Nancegolian
Sidne

Per particulars apply to the Auctioneer.

Mining Offices, London Assurance Fire and Life Office,
De Dunstanville-terrace, Camborne, April 23, 1851.

R. JAMES CROFTS, of 4, KING-STREET, CHEAPSIDE
MINING BROKER, begs to renew his OFFERS of SERVICE to CAPITALISTS
ag the means of SECURE INVESTMENTS, which can be made to yield an annua
to of 15 to 20 per cent.

Ms. Chorrs HAS a
Ms. Chorrs HAS a
Ms. Chorrs HAS a
Whodman's Well and Broadridge
Wheal Vincent (20 shares)
Bedford United (15 shares)
Wheal Harriet (100 shares)
Crebor (10 shares)
Rocks and Treverbyn (160 shares)
Bodmin Wheal Mary (10 shares)
Okel Tor
Wheal Tremar (20 shares)

LLY FON SALE—
Wheal Sarah (16 sh.), now Trawain
Genamena (3 shares)
Wheal Langford (60 shares)
Bodmin Consols (16 shares)
Devon and Courtenay (50 shares)
Bronfloyd (60 shares)
Grambler (4 shares)
Wheal Arthur
Cabtook (5 shares)
Wheal Scion (1 share)

Mr. Crofts beg to state that, as an Official List is proposed to be public week by the Committee of the Mining Exchange, he thinks it unnecessary his List of Prices Current.

No. 4, King-street, Cheapside, April 25, 1851.

MINING SPECULATIONS.—Mr. EVAN HOPKINS, C.E., INFO. 13, AUSTINFRIARS, LONDON, begs to acquaint the Fublic that a very IMPROPER USE of his NAME has been made. He is neither "Superintendent" nor "A Manager" of any mine. Such a nomination, attached to recent prospectuses, is not only without his consent, but contrary to the established principles of his office. In the present state of mining speculations it is impersitive to examine every new "spec" carefully, and exercise the greatest caution; he, therefore, trusts that his old friends and other capitalists will not be led away by any of those misrepresentations, and be timply advised on the mines, management, and prespects, as usual.

FRANCIS'S MINING OFFICES, 7, JOHN-STREET, ADELPHI.

—The great importance of the Mining Interest at the present moment renders it necessary that every means should be adopted to place its operations on the plainest and fairest foundation.

necessary that every means should be adopted to place its operations on the plainest and fairest foundation.

The system of representing the VALUE of MINES, by describing them as DIVIDEND OF MON-DIVIDEND PAINE, is by no means sufficiently explanatory of their real qualities, for it is clear that mines may come under the first denomination which, nevertheless, differ greatly in value; for instance, some continue to divide large profits for a long time, and some in like manner small profits only, whilst there are others which pay dividends, large or small, as the case may be, but only for a very limited period. The selection of mining ground also requires the greatest care, which; in anost instances, can only be applied by or through agents, qualified by long and successful practical experience, combined with local geological knowledge.

Mr. MATRIEW FRANCIS, who has, during the last 20 years, without intermetion, been engaged as Manager of Mines abroad, as well as in Corneall and Wales, many of which are making large profits, takes leave to announce, that he has OPENED these OFFICES, where he may be consulted daily from Eleven till Three.

N.B.—information supplied, without favour, or projudice, as to the present condition and prospects of all mines without distinction, as fir as can be ascertained by the closest attention to the best sources of Knowledge.

\*\*The TRANSPEE of MINIME PROPERTY (mail, miles as a can be ascertained by the closest attention to the best sources of Knowledge.

\* The TRANSFER of MINING PROPERTY (such only as is legition attackery terms.

MINING OFFICES, No. 75, OLD BROAD-STREET.—
No. 3, George yard, to the ABOVE ADDRESS, where he hopes to receive a continuation of their favours.

MR. J. H. MANDEVILLE,
MINING AND GENERAL SHARE AGENT,
NO. 22, CHANGE-ALLEY. CORNHILL. /2

MINING INVESTMENT.—THOMAS FULLER AND CO., 51, THREADNEEDLE-STREET, LONDON, have on hand DEVON CONSOLS NORTH: this mine is situate and adjoining the celebrated Devon Great Consols Copper Mine, having the same stratum of ground, and running parallel with and having the same great cross-courses, and within a short distance of the present rich lode of these productive mines, which, with £1 paid, are now marketable at £310, and paying £48 per annum in dividends.—T. Fuller and Co. have also SHARES in Appledore Silver-Lead, Wheal Caradon Copper, Peter and Mary Tavy Consols, Wheal Franco, &c., and will take pleasure in furnishing all particulars councered therewith.

Pleasure in furnishing all particulars connected therewith.

No. 7, GEORGE FARD, LOMEARD-STREET.

No. 7, GEORGE FARD, LOMEARD-STREET.

No. 1, GEORGE FARD, LOME

MINING SHARE AND METAL BROKER,

OFFICES,—No. 76, OLD BROAD-STREET, CITY.

Mr. THOMAS JORDAN has FOR SALE SHARES in the following DIVIDENDPAYING and other first-rate MINES:—Affred Consols, Lelant Consols, Fowey Consols,
North Wheal Bassot, Stray Park, Bryn. Arlan, Wheal Harriet, Cook's Kitchen, Cefn Gwyn.
East Wheal Russel, West Goginan, Allt-y-Crib, Dyfngwn, and many other mines in fall
working, and is now prepared to CONDUCT PURCHASES in all DESCRIPTIONS of
MINING PROPERTY.

MR. MANUEL begs to inform his Friends of his REMOVAL to No. 26, AUSTINERIARS, and would be happy to ASSIST in the FORMATION of COMPANIES for the WORKING of MINES, and conducting the MANAGEMENT of those ALREADY FORMED—having apaclous and convenient offices for that purpose.

MR. PEET, MINING AGENT, 48, THERADNERDLE-STEER, is now prepared to OFFER his SERVICES in the FORMATION of MINING COMPANIES, on the Cost-book System; and also to COMPOUT the LONDON AGENCT of those already established. His offices are advantageously situated. Satisfactory re-April 5, 1851.

MINES.—MOLYNEUX & CO., MINING and GENERAL SHARE AGENTS. 43. THREADMEDLE-STREET, U. FINSBURY-FLACE SOUTH, and 6, WEST-STREET, TRINSBURY-FLACE DIVIDEND-PAYING and OTHER MINES, which will ensure to GAPITALISTS the after and most unexceptionable investment.

MOLYNEUX & CO., grateful for past favoura, beg to call the attention of their fleedage to their newly-accupied OFFICES, No. 34, THREADMEEDLE-STREET, where every attention will be paid to the PURCHASE or SALE OF SHARES.

\*\*\* Office hours from Ten to Four o'clock.

MESSES. TREVARTON AND CO., MINING SHARE DEALERS AND BROKERS,—8, ST. JAMES STREET, PALL MALL, MR. CREFT,-MINING SHARE DEALER,

PEGISTRY FOR THE SALE AND PURCHASE
OF MINING SHARES.

DURANT & CO., MINING SHARES.

Beg to draw the attention of Capitalists to their Registraty for the Sale and FURCHASE of SHARES.

Devon Great Concols
Carn Bress
West Caradon
Truisway
Tolgas
Tolgas
N. Salstidical information furnished on British and Foreign Mines. - No Caragos

TO RAIL MANUFACTURERS, IRON MERCHANTS, AND OTHERS.—The Advertiser, whilst conducting a series of experiments on RAILS, for a Foreign Government, discovered means whereby their strength and durability was doubled, without increasing the cost of manufacture—a respectable PABTY disposed to CO-OPERATE in SECURING and INTRODUCING the INVENTION, can obtain further particulars by addressing (pre-paid) to "H. L. D.," at the office of the Mining Journal, 26, Fleet-street, London. TO CAPITALISTS.—TO BE LET, a valuable FIELD of TO BE DISPOSED OF, BY PRIVATE CONTRACT, a rainable SLATE QUARRY, situated within seven miles of Port Madoc, under lease of 33 years. The quality is excellent, and a fine blue colour; the Quarry has been worked for some time, and a considerable quantity of situes has been sent off, and is an restament worth the attention of parties disposed to embark in that line.—For further particulars apply to Mr. Themas Roberts, auctioneer, Bangor.

AVERIGAN MINE,—NEAR INDIAN QUEEN, CORNWALL.—
TENDERS will be RECEIVED by Mr. H. F. STEPHERS (at his office, Wadebridge, Cornwall) until the last of May next, for SUPPLYING all the COALS required for the use of this MinE for TWELVE MONTHS, from the above date, to be delivered on the Mine, and to be of good quality, such as shall be approved of by the Agents and Engineer. The person whose Tender shall be accepted will have notice thereof per first poet after as he will be required to deliver a portion of the Coals on the Mine on or before the 5th of the same month (May), the day appointed for setting the steam-engine to work.

Dated Gaverigan Mine, April 29, 1851.

TO BE LET, in Lots, for MINING PURPOSES, in NORTH WALES, for a term of 21 years, all that EXTENSIVE RANGE of METALLIFER-OUS MOUNTAIN LANDS, part of the ABER HIRNANT ESTATE, within a few miles of the valuable Llangsaing Lead Mines, the lode of which have been traced through the property, which is also intersected by various promising lodes, indicative of LEAD and COPPER—LIMESTONE siftounds. The Crown claims have been redeemed.

Apply for particulars to H. Richardson, Esq., Aber Hirnant, Bala, North Wales. TO MINING CAPITALISTS .- TO BE DISPOSED OF,

in WHEAL ARTHUR, near TRURO, TWO HUNDRED and FIFTY (5 PARTS, or SHARES, at £12 each.—(Vide Report and Resolutions in last week's Journal of the Company of t PARTS, or SHARES, at £12 each.—(Vide Report and Resolutions in last weak's Missing Journal.)

The extent of the sett is great: its superior locality for producing Lead cannot be doubted, being adjoining East Wheal Rose, which is well known to be in the best lead mining district in the county of Cornwall; and for such as sutilar, there nover was a greater chance of receiving a higher remnuerative per centage.

The above slares are newly created, for the purpose of further developing the mine—the present adventurors have expended £17 per share.

There is no in the mine a new 40-inch cylinder engine; about 50 fathoms of new pitwork, and all necessary buildings and other conveniences for effectually carrying out the mine; there are also some lead eres at surface, in course of being dressed.

Applications for shares to be made to Captain Puckey, St. Blassey, the managing agent; or to Mr. William West, of the same place, the purser.

Parties may inspect the mine by applying to the agent thereat.

Dates April 4, 1881.

TO BE LET, OR SOLD,—the VENALT IRON-WORKS, consisting of an ENGINE-HOUSE, with powerful BLAST-ENGINE, TWO HOT BLAST FURNACES, CASTING-HOUSES, OFFICE, DWELLING-HOUSE, STABLES, &c. These WORKS are sitnated in the VALE OF NEATH, GLANORGANSHIRE within a few yards of the Vice of Neath Railway, and communicate with the Neath Canaby a private railroad.

The Mineral's under 700 acres of land—viz., ANTHRACITE and BITUMINUMS COAL, FREE-BURNING or STEAM COAL (of known character), and IRON GRE, both Argillacous and Black-band, mostly opened by levels, WILL BE LET on LOW ROYALTIES with the WORKS. The site and quality of the Coal are well adapted for the manufacture of Tin-plates.

the manufacture of Tin-plates. For further particulars apply to the proprietor, N. Edwards Vaughan, Esq., Rh Merthyr Tydvil; or Mr. G. Halket, Wainakiel, Erichand.

TO BE LET,—A Valuable PLOP OF GROUND, containing about Two Acres, addunting the bill officer of the containing about Two Acress, adduning the bill officer of the containing the bill officer of the containing also with the collieries in the delibourhoot, the colle from which are of the best quality for steam purposes. On the 196 of Ground a Building has been received, with againsh chouse; it is suitable for a flammeter of steam Facel (for which purpose it was rested), or may easily be converted into a millivirghter, Engineers, saw-mill, Flour-mill, or any other purpose where the power of a 30-horse origine may be required; the present PLANT and STEAM ENGINE, don't be taken at a VALUATION.—Lowest rent, without plant and steam-engine, £150 per annum.

Apply to Mr. Benjamin Jones, Lianelly, Carmarthenshire.

COLLERY FOR SALE.—TO BE SOLD, BY PRIVATE CONTRACT, all the first property of the "Paulion Coal Company," immediately adjoining the Somerssahlre Coal Canal, and now in full working, and held for the residue of a term of years, which will expire on the 24th lone, 1864.

The Coal is of excellent quality—the territory is very considerable—a large sum of money has recently been expended in making underground roads, and in despening the shafts to the lower sories of voins which have been discovered, immediately adjacent thereto, and proved to be of very good quality, and can, with the unworked portions of the upper series of veins—several acres of which, within a few hundred yards of the shaft, remain untouched—be landed at a small ontiley of capital; while, independently of a roady access to the home market, the immediate contiguity of the canal insures a certain means of communication with the distant coal merchants and consumers.

The Lessee will be prepared to negociate with a jourchaser for the grant of an extended lease of the mine.

A purchaser will be required to take the engines, plant, fixtures, buildings, implements,

The Lesses will be prepared to negociate with a purchaser for the grant of the cases of the mine.

A purchaser will be required to take the engines, plant, fixtures, buildings, implement clock, and stores of the present company, at the valuation of two indifferent persons, heir umpire, to be chosen in the usual manner.

To view the same, applications may be made to the Company's Clerk, on the premise and for further information, or to treat for the purchase, to Mr. Bruges Fry, solicity. The closer is the premise of the company of the premise of the company of the premise of the premis

LINTSHIRE COLLIERY.—TO BE LET, the BIGHTON COLLIERY, near MOSTYN, FLINTSHIRE, the property of the Right Hou. the Viscount Felding. The COAL GROWD, now advertised, is sinute upon the MOSTYN KOAL-FIELD, and consists of about 430 acres of land, chiefly having the frontage on the deep to the sea-shore. The following BEDS OF COAL have been partially worked on the rise, but not not the deep, of this ground—vis.:

The FIVE-YARD COAL The THREE-YARD COAL The TWO-YARD COAL The TWO-YARD COAL The TWO-YARD COAL The TWENTY INCHES COAL Besides the above, it is supposed that other bads exist, which could be worked by the aid of machinery.

This exists is bounded on the west by the Mostyn Collieries; on the same by the Englesial and Trevor Collieries, all in full operation.

aid of machinery.
This centre is bounded on the west by the Mostyn Collieries; on the west by the collieries of Mestra. Eyton and Co., called South Mostyn; and on the cast by the ingledield and Travor Collieries, all in full operation.

istant) render this property well worthy the attention of Coalmesters de lishing collieries of a pernansently remunerative character. A moderate reserved reas, redeemable in the royalty, will be required. Applications to be made to Mr. Edward Jones, Fendrehonso, Holywell, Holywell, April 9, 1881.

MINING SHARES.—Mr. HENRY VATCHER, EXETER, OFFERS his ADVICE and ASSISTANCE to PARTIES willing to INVEST in the ABOVE SECURITIES. Ten years' residence in Expetry, together with periodical rists to nearly all the Mines in Devon and Cornwall, enables him to become thoroughly acquainted with their respective merits.—Mr. VATCHER has at his command, still times, practical and experienced agents, so that if any inspection is required, the same can be done without delay.

MINING AND RAILWAY OFFICES, No. 3, CASTILE-BROKER, OFFERS his SERVICES to CAPITALISTS in the PUECHASE or SALE of ANY DESCRIPTION. OF PROPERTY; and will be happy to point out a salection of such stock as appear the most eligible, from data this can only be arrived at by those whe give an undivided attention to the subject.—Every information afforded (claims in permits or by fetter) to capitalists withing to invest or exchange their securities, as it can be propertied.

MR. BELL WILLIAMS, MINE BROKER and VIEWS MR. JOHN DAVIES, MINING SHAREBRO

# Transactions of Scientific Bodies.

MERTINGS DURING THE ENSUING WEEK.			
Tues Day Royal Botanie-Inner Circle, Regent's-park	3	P.Mr	į
MONDAY Geographical-3, Waterloo-place			
British Architects-16, Grosvenor-street			
TUESDAY Civil Engineers - 25, Great George-street			
Zoolegical—11, Hanover-square	1	PiM.	
WEDWESDAY Geological-Someraet-house			
THURSDAY Antiquaries Somerset-house			
Hortfcultural-21, Regent-street			
Royal—Somerset-house			
Royal Society of Literature—4, St. Martin's-place			
FRIDAY London Institution-Finsbury-circus	7	P.M.	
Botanical-20, Bedford-street, Covent-garden	8	P.M.	
SATURDAY Medical—33, George-street, Hanover-square			
Asiatio 5 Now Raylington street	9	D.M.	

## INSTITUTION OF CIVIL ENGINEERS.

APRIL 22. - WILLIAM CURITT, Esq. (presi

The paper read was "On Foundations, Natural and Artificial," by Mr. S. LEGG, Jun., M.I.C.E.

Cizico, Jun, M.I.C.E.

The discussion upon this paper was announced to take place at the next meeting, Tuesday, April 29th, when an experiment, showing the rotation of the earth round fibe sun, by means of a pendulum, would be exhibited, and the following paper would be read—"On some new Mechanical Applications of Valcanised Caoutchouc," by Mr. Brockedon

MANUFACTURE OF IRON. - At the Royal Scottish Society of Arts, Mr. Morries Stirling read a paper "On Iron and certain Compounds and Alloys of Iron." Mr. Strining first gave a concise description of the manufacture of cast-iren. The crude ore, ceals, and flux (which generally consists of bi-carbonate of lime), are thrown into the furnace in certain proportions and smelted, chiefly in this country by means of the hot-blast. Mr. Strining alluded to the great improvement recently effected in the hot-blast by the application of the waste gases to this purpose, increasing the produce of some furnaces as much as 8 tons per day; while, at the same time, a superior quality of iron was obtained. He found that cast-iron may be rendered very tough without losing its\_famility, by simply alloying it wit. malleable iron, in the proportion of 30 per cent. A bar of ordinary cast-iron will only sustain a pressure of about 400 lbs. per square inch transversely; while this toughened iron will sustain in the same way a pressure of from 700 to 800 lbs.; thus indicating an increase of strength of about 100 per cent. At the same time, the tensile strength of the iron is doubled. A common one broke with a weight of 7 tons per square inch, while toughened iron required 12½ tons for the same result. The addition of zinc, antimony, tin, and other metals to iron, gave curious results in their different combinations: a large bell, for example, composed of one of these alloys exhibited by Mr. Stirling, gave out, when struck, a sonorous and prolonged intonation. Another of these alloys was considered valuable for railway purposes, more especially at the points of the rails forming the angles of junction, and which, from the excessive friction, generally wear so fast. For such it had been successfully tried at Cowlairs. Mr. Stirling exhibited a number of specimens, and was thanked by the chairman for his highly interesting communication. Mr. Stirling first gave a concise description of the manufacture of cast-iron. The

EXTENDED APPLICATION OF SLATE .- In a paper on this subject, at the Liverpool Polytechnic Society, Mr. Rayner said—1. That slate had of late years become an article much more sought after than formerly; immense quantities of it not only being used for roofing purposes, but it has been found to possess so many intrinsically valuable qualities over stone, granite, and even marble, that the demand for it has increased to a very great extent. As a proof of its strength as compared with stone, it is a well-known fact that an inch slab of slate is equal to York paving 2 or 3 inches, granite 3 to 4 inches, and marble even 8 to 10 in. thick; therefore, where lightness and strength are required, slate stands pre-eminent,—2. It is an almost perfectly non-absorbent body, for if an inch slab be immersed in water for three months, it will be found, on merely scratching the outer surface, to be perfectly dry underneath.—3. Proving its applicability for out-door work over stone, inasmuch as it is not liable, like stone, to be injured by frost, which freezing the water it had absorbed, cracks it, rendering it useless, and damaging the work. Its non-absorbent nature renders it also available for many other purposes, inasmuch as even assafedida may be spread on a slab and left for hours, when after washing it, it will be found as sweet and free from odour as the day it left the quarry, thereby making it extremely useful for chemical purposes, mangers, &c.; but in this age of competition it has been made to undergo a process called enamelling, which so totally changes its appearance and value that its most intimate friends would never recognise the beautiful manufactures of the several patentees in the once plain and homely late. Purpose the purposes of the several patentees in the once plain and homely late. pool Polytechnic Society, Mr. Rayner said-1. That slate had of late years be its appearance and value that its most intimate friends would never recognise the beautiful manufactures of the several patenties in the once plain and homely slate. During the process of enamelling it goes through five distinct operations; first, there is the ground coating, which is burnt into the slate, and after wards rubbed down to a fine surface to prepare it for the pencil of the artist, who gives it either the appearance of the richest sienna, brocatella, granite, porphry, or even inlaid work; after which it receives the first coating of enamel, again subjected to the heat of the furnace, and again rubbed down. It receives in all three coats of enamel over the painting, all of which having been thoroughly burnt into the slate, at a heat ranging from 350 to 600°, not only protects the work, but secures for it a surface which will carry a higher polish than any other article of a like nature; and, what is of much greater importance, this polish will last for years—neither the action of the atmosphere, nor even oils or acids having 'the least effect on it. It has now been tested for several years, and found to answer the expectations formed of it, being now very generally used for out-door work, such as teembstones, monuments, vases, &c.,; and after five, six, and in some instances, eight and nine years' wear, the polish has been found as good as the day it left the works.

NEW SAERTY VALVE.—Mr. James Nasmyth, of the Bridgewater Foundry, near Manchester, has registered an "absolute safety valve"—the construction of which, although simple, is very ingenious, and the objections to the valves now in use are effectually removed. It is free from all external or internal spindles and contrivances intended to act as guide-rods, which often corrode, and render the valve no indicator of the variations of pressure. It has no external lever or weight, therefore cannot be tampered with by being overleaded; but, as the inventor states on the diagram, "the chief feature of novelty in this safety valve consists in the manner in which the swaying backwards and forwards motion of the water in the bolier is smployed to keep the valve free, and so remove all tendency to become fast in its seat, whether from mud or any other cause. The valve and seat being portions of a sphere, they fit in all positions." To understand this more distinctly we may state the upper part of the valve consists of a brass sphere, say 7 in. diameter, resting upon a concave rim, about 5 in. diameter, open below, and in which circular rim to, which descends into the bolier. Ital-way down it, and in the stearm, it is surrounded by a cylindrical weight, adjusted 10 the possure required, and calculated according to the area of the valve. At the bottom of the rod, and partly in the water, is what we take to be a hollow sphere, which the movement of the boling water will constantly keep in motion. The whole represents something like a pendulum, and the slight oscillation comminicated to the bottom of the rod and partly in the water, is what we take to be a hollow sphere, which the movement of the boling water will constantly keep in motion. The whole represents something like a pendulum, and the slight oscillation comminicated to the bottom of the rod will make the sphere at the upper end of it move in the rim, and thus prevent the valve from becoming imporative by adhesion. The diagram was inspected by a large number of geutlemen

THE RECENT BOLER EXPLOSIONS.—The scientific evidence adduced on the aquests of the unfortunate individuals killed at Stockport and Manchester y boiler explosions, tells us nothing we did not know. And yet it comes to swith all the impressiveness of a scientific funeral oration upon 29 mangled uman beings. At Manchester Mr. Fairbairn found that beyond all doubt the coldent was the result of gross neglect. The boiler had evidently been show the boiler-plates red-hot, the safety-valve fast, every outlet for steam losed; and then, all being done that was requisite to make the explosion, cold water saturated in, and the natural result followed. If anything else had been wanting it was revised, for the boiler was not properly "stayed." It had no glass gauge, though that lone. Mr. Fairbairn said, would have enabled any one to see the danger, and to have closed; and then, all being done that was requisite to make the explosion, cold water was turned in, and the natural result followed. If anything elso had been wanting it was previded, for the boiler was not properly "stayed." It had no glass gauge, though that alone, Mr. Fairbairn said, would have enabled any one to see the danger, and to have taken the weight off the safety-valve. And to make the accident more certain, the engineer was an incompetent man. In the Stockport case Prof. Hodgkinson was called, in connection with Mr. Lillle, a boiler maker, of 40 years' experience. Here, again, they found every precastion previded by neglect and economy to ensure the occurrence of an accident. The boiler was made for low pressure, and the maker was screwed down in price, and consequently put in thinner and inferior from. The fracture was traced to one of filess very plates. After being made for a low-pressure, it was changed into a high-pressure, by the mere addition of two longitudinal stays. No stays were put under the fire-box and the maker said he should have made the fire-box circular but forjordors to the contanty. By making it oval the fire-box circular but forjordors to the contanty. By making it oval the fire-box circular but forjordors to the contanty. By making it oval the fire-box circular but forjordors to the contanty. By making it oval the fire-box circular but forjordors to the contanty. By making it oval the fire-box circular but forjordors to the contanty. By making it oval the fire-box circular but forjordors to the contanty. By making it oval the fire-box circular but forjordors to the contanty. By making it oval the fire-box it is a superly of the contanty of the fire-box circular but forjordors to the contanty. By making it oval the fire-box circular but forjordors to the contanty of the fire-box circular but forjordors to the contanty. By the fire-box circular but forjordors to the contanty of the fire-box circular but forjordors to the contanty of the fire-box circular but forjordors to the

A CORE NY HOLLOWAY'S ORTHERN AND PILLS OF A TUMOUR ON THE SEE -Eighteen nonthin ago, Mrs. Jones, of Portugal-street, Lincoln's lun-fields, caught serous cold, while nettled in her knee, and formed a tumour on the joint, which, in secourse of time; beame so stiff that she could not bond it, and it continued so for 12 100ths. She tried realway after remedy, but to no purpose, and she became scarfully armed. At least she rules, Holloway's cintiment into it unsparingly overy right and norming, and took the pills which completely dispersed the tumour, and the joint has scome as pillant as over, and hee from pain.—Sold by all druggists, and at Prof. Holloway's establishment, 244, Strans London.

BLAENAVON IRON AND COAL COMPANY. nual meeting of this company Thes was held at the o

Chapside, on Friday (yesterday).

Jons Masterman, jun., Esq., took the chair, and stated he was sorry to find himself occupying that position, inasmuch as it arose from the lamented illness of their worthy chairman. The only consolation was, that he was now mending, and would soon be amongst them again.

Mr. Johnson (the manager) read the notice convening the meeting, and also the following report:—

The directors salumit to the notice of the shareholders the report of the manager as affairs of the company, for the year ending 31st December, 1850. From the acthe affairs of the company, for the year ending 31st Decem and balance-sheet laid on the table, it will be seen that— 

Metal 2,80 Bars and rails 9,40	
And the gross profit arising from thes	
Pigs	
There remains a balance of gross   From which deduct—Interest on mor	profit at the works of £ 5,834 15 5
debentures, 36621. 2s. 9d.; curren	
Leaving a net profit- Add balance to the credit of profit ar	nd loss, Dec., 1849 £ 642 12 4

There remains a balance to the credit of profit and loss of ... £ 2,302 15 7 There remains a balance to the credit of profit and loss of .... £ 2,302 15 7

During the last 33 weeks of the past year only three furnaces have been kept in blast, in consequence of the slackness of trade, and hence the above accounts exhibit a diminution of make, as compared with the previous year, of about 2000 tons. The weekly make per furnace has also been somewhat less, from the desire of the manager to produce a higher class of iron, for which there existed a better demand in the market. Since the last meeting the director is have succeeded in underletting a portion of their coal field, which was not required for the works of the company, to a neighbouring from-work, at a fixed rent of 5604, per annum, for the remaining term of the Blaenavon lesse. The sum of 47651, 16s. 4d. has been laid out during the past year in completing the important improvements suggested by the committee of shareholders in 1848; and the board annex to this report a detailed statement, by the inspectors, of this outlay, together with a description of the advantages already obtained, or expected to result from it.

provenents suggested by the committee of sanchoiders in 1848; and the board annex to this report a detailed statement, by the inspectors, of this outlay, together with a description of the advantages already obtained, or expected to result from it.

In making a report on some of the transactions of the year 1850, at Blaemavon, we have first to express our deep regret that Mr. Wheeley's liness prevents his giving us his valuable assistance any longer as an inspector. In following up the observations of last year, on the outlay for improvement, the first item requiring notice is an additional sum of 9661, on the roads, and we consider the result of the whole of this outlay to be satisfactory. The average monthly number of horses omployed by the company was less by 38 in 1850 than in 1840, and this reduction was principally caused by the improvement in the roads, and the partial substitution of locomotive power; for although the make of pig-fron was about one-tenth less in the last than in the previous year, the quantity of Sale coal raised was about one-tenth more, and the make of bars about equal in each year. The additional sums expended last year in completing the new pit for Sale coal, and other outlay attached to it, are 1423. 14s. 7d., and in completing the incline plane and machinery, connecting that pit with the road for Sale coal, 2361. 18s. 3d. These sums have exceeded the estimates and intended cost, and we have received from Mr. Steele, the engineer, an explanation of the causes of this sexcess. The expected benefit has not yet begun to arise from this expenditure, as there has not been time for sufficiently opening the underground works, and completing other arrangements. These, however, as they progress, are charged to the cost of the coal raised, the outlay account having now ceased. We consider that this work will answer the purpose intended, and that it has been an indispensable improvement of the Sale Colliery. The sum of 24.1. 1s. 7d., for completinging the fitting-tap shop, makes up, with the

Increased sales and increased profit of pig-fron, as compared with last year. The cost of the bar-fron was also affected by the make having, from the same cause, been more on the higher qualities. When the bar and rall trade is again remunerative, the Blaenavon Works will be in a situation to produce an additional make at a lower rate of cost, suitable for those purposes.

The CHAIRMAN's said, in moving the adoption of the report he need not say much, as there were always at their meetings gentleme, well conversant with the subject, and from whom they could elicit more information than could be given by himself. They found themselves in this position at the end of another anxious and laborious year—vize, that they had been carrying on this large business for the benefit entirely of the workmen engaged, the shareholders themselves still getting no return. He was quite persuaded that this condition of affairs was not owing to anything intrinsically wrong in the property itself, but from the depression of the iron trade, which was known to them all as not having been remunerative during the past year. It was satisfactory, however, to find the balance, during the year, however small, on the right side; and as their accounts were subject to a most searching investigation, the shareholders could at once see the worst of their position. (Hear, hear.) One other gratifying feature was, that they had been able to let off a portion of their coal field at a fixed rental to fresh parties. Having more than was necessary for their own purposes, they would be happy to embrace the offer of some further leases. There was a subject not alluded to in the report, which was the probable opening of the railway from Hereford to Abergavenny, which would give them, no doubt, an opportunity of delivering their iron in the interior of the country. The approach of a railway to such a mountainous district, but rich in minerals, and connecting it with the rest of the country, which was the class of their friend, Mr. Jones had been actively e

had alluded to they could raise 410 tons of coal per day, and 35 tons of mine. Besides that, they could then deliver coals at 3d- a ton less than any of the

had alluded to they could raise 410 tons of coal per day, and 35 tons of mine. Besides that, they could then deliver coals at 3d. a ton less than any of the other surrounding works.

The CHAREMAN: That is what can be done?

Mr. P. JONES: Yea, as the result of this pit. The railroad once complete to Hereford, must very much increase the value of our property, and would enable us to get a fair profit upon our Sale coal. If this pit were worked to the extent I wish, I expect you would save about 24000 a year.

A. PROPRIETOR asked what was the extent of the mineral property of the company?—Mr. JOHNSON said about 12,000 acres was the property muder lease. Mr. Williams said he had been an inhabitant of Blaenavon for 20 years, and knew well the great capabilities of this property. He considered that by the expenditure of 80,0000 in erecting three new furnaces, a mill, and other machinery, they would get rid of an increased quantity of iron at 30s. a ton, sufficient to leave a profit of 12,000 a year. He said this as the opinion of men of actual experience in the working of mineral property. Even if they raised 100,000/4, he had no doubt they would realise, their capital in 10 years, besides interest at 10 per cont- per anuum. (Hear, hear.)

The CHAIRMAN said there was still an opportunity of shareholders paying up their 54 per share, and getting their 6 per cent. One-half of them only, he understood, had paid their 22 10s.

The SEGRETARY (Mr. Butt): There is 88001 paid up.

The CHAIRMAN said they had gone on with a gradual improvement in their property; and no doubt when the time arrived, their scorrity would be thought quite ample for such a purpose as was alluded to by Mr. Williams.

The report was then adopted unamimously.

Mr. Hill, Mr. Kennard, and Mr. Warden, were re-elected directors.

The report was then adopted unamimously.

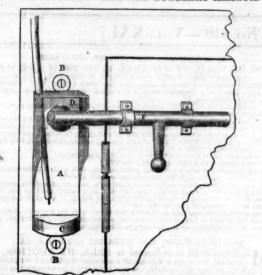
Mr. Hill, Mr. Kennard, and Mr. Warden, were re-elected directors.

A special vote of thanks was passed to Mr. Wheeley, expressing a hope that his health might soon be restored.

The CHARBMAN, in moving a vote of thanks to Mr. Johnson, the manager at the works, alluded to the pleasure it gave-him in so doing, from the high estimation in which he and his family were held in the neighbourhood of Blaenavon, where, he understood, they were particularly esteemed, for their attention to the education and moral comferts of the industrious poor of the vicinity. (Hear, hear.)—The motion was passed.

A vote of thanks to the chairman and the directors, and also to Mr. Booth, the secretary, were these passed unanimously, when the meeting separated.

THE "PYRACOUST" FIRE AND BURGLARY ALARUM.



In our last Journal we gave a detailed account of this invention, as applied In our last Journal we gave a detailed account of this invention, as applied to giving instantaneous notice in case of fire; and we showed, from the simple principles involved in its construction, that a load note of danger must inevitably be sounded, should a conflagration break out in any room where it was situated. The application of the instrument to the fulfilment of a similar purpose in case of any attempt at burglary, is effected by simply extending the pyrotechnic conductor in a downward direction, and placing its extremity in communication with a little apparatus, which is permanently attached to the door of the apartment. The arrangement is shown in the annexed diagram, where A represents a small brass case, fastened to the framework by the screws, B.B. C is a dish for holding the combustible mixture; and D a glass bulb, cemented to the back of the case, and containing the acid. The bolt, F, is shot back during the day-time, and the apparatus, consequently, is out of action; but at night, when the house is closed, it is drawn forward and locked in the position represented; and should any one then attempt to force the door open, the extremity of the bolt presses upon the glass bulb and breaks it, the contents instantly fall into the dish, ignite the mixture and the conductor, and produce, as before-stated, a detonation sufficiently powerful to be heard in every part of the house, but utterly harmless in its consequences. It will be seen, therefore, from this description, that the only attention necessary is to bolt and unbolt the door, as occasion requires; and, when once fixed, the apparatus becomes a permanent and infallible protection against any sudden attack of thieves. The probability, indeed, is that the moment they have unconsciously caused the report, and awakened the inmates of the house, they will decamp as quickly as possible, and give no further trouble.

From the late awful increase in burglaries and fires, we have little doubt that this useful invention will become a general favourite wi o giving instantaneous notice in case of fire; and we showed, from the simple

IMPROVEMENTS IN STEAM-POWER.—Mr. Fernihough has patented some improvements in locomotive and other steam-engines, and improvements in obtaining motive power. The invention claimed as relating to "locomotive and other steam-engines" comprehends—1. A method of warming the feed-water by causing it to pass through a vessel in which a partial vacuum is formed by the action of the pamp, so that a portion of the waste steam is farawn from the exhaust pipe into the vessel, and condensed in the water.—2. The application of a revolving valve to the blast-pipe of engines, in which the waste steam is employed to produce a blast in the chimney, in such a manner that the steam is allowed to escape during a portion of the stroke, the expansion of the steam at the conclusion of the stroke being employed to produce the blast. The object of this arrangement is to relieve the piston from the pressure of the steam during the back stroke. The improvements claimed under that part of the invention which relates to "obtaining motive power," have reference—1. To a method of applying the products of combustion of a close stove in combination with steam produced therein, or introduced by a jet, or with air introduced by a peculiar construction of blower to work an impulsive rotary engine. The steam and products of combustion enter the casing of the engine by one or more jets tangentially to its circumference, and pass off as near as convenient to the centre or axis of the casing. The load of engine is to be so proportioned, that the centrifugal-pressure of the aëriform products in the casing shall be equal to about half of that in the close furnace. The blower for introducing air into the close furnace is worked by a cond from the spindle of the rotary engine, or may be fixed on the same axis—2. To a method of applying the pressure of hot aëriform products exerted on the interior of an apparatus constructed on the principle of a gasometer chamber, to produce a rising and falling motion, which actuates a crank through the medium of a pist

EXTENSION OF THE ELECTRIC TELEGRAPH.—The Select Committee of the House of Commons, appointed for the classification of private bills have referred the five having for their object the extension of the electric telegraph, by land and submarinely, to be be considered by one and the same committee; they are—The Electric Telegraph Company (Amendment of Act); United Kingdom Electric Telegraph Company (Allan's patents, incorporation of company, and purchase and use of patents in England and Ireland, and elsewhere); European and American Printing Telegraph Company (Brett's patent, incorporation of company, and purchase and use of patents); Submarine Telegraph Company between England and France; Magneto-Electric Telegraph Company (Incorporation of company, and purchase and use of patents in Great Britain, Iseland, and elsewhere).

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FRESH WATER FROZEN THIRTY-SIX FEET UNDER SALT WATER-lead pipe which conveyed the Cochituate water to East Boston has been up, there being no further use for it. A section of this pipe which lay it channel, 36 feet below the surface, when taken out was found filled and solid. How is this ed for? The pipe was tig

ROYAL GARDENS, VAUXHALL.—These gardens, which have been opened now 120 years, and are technically styled the Royal Property, will commence their season on the 1st of May. The inaguration will take place with a bal margine, of great note, including Hernandez, the American rider, have been engaged for the season. The pyrotechnical displays will be furnished by Darby, the father of fineworks; while the illuminations will be under the superintendence of Duffell, the disciple of Gye. Hydrostatic, hydraulic, and pyrotechnic amusements will be introduced. An efficient ballet and operatic company has been engaged; and we confidently expect, from the names of the company, and the varied amusements, that the lessee will reap a good harvest this season.

St. James's Theater.—On Wednesday evening Professor Anderson commenced his "Soirèes Mystiques" at this elegant theatre. The entertainment was the same as that which was provided for her Majesty at Balmoral Castle. The decorations and fittings were of the most unique and varied description; is the second part of the entertainment a scene of Balmoral Castle, painted by Gordon, is introduced, which is more artistically done than is generally the case with scene. The tricks of the Frofessor are many of them entirely new, while the case with which he performs apparently the most incredible things at once mystify and delight the audience. It has estationable bettle he supplies nor mystify and delight the audience is here a supplied. It would exceed our limits to detail all the wonders which the Frofessor is assisted by his son, an interesting child of about seven years, who, on one occasion, is brought from the scrap book in company with a good, see the professor of the prime of conjugration and professor performed, and which has justly earned for him the sortique of the prime of conjugration and plant and plant the professor from the accapance of the prime of conjugration of the most increasing a piecon from it after it has been emplied. It would exceed our limits to detail al

# Original Correspondence.

THE FORMATION AND PRODUCTION OF METALLIC VEINS.

Sm,—I have often derived amusement from the speculative theories of Messrs. Ennor, Hopkins, Rowlandson, Coxworthy, and others, of the new school, upon the formation and production of metallic veins, as well as from

chose of Wentz, Hatton, and others, who undertook, in bys-gone tumes, to employ the man better than the position confinence to my house, I am induced to pase an hour of idleness in plening a few present them to general collisation, and supeculity hou gain. Frankink Conventity's further views with reference to them, as I perceive that, in your Number of the 12th inter, in his new series, Soc. 6, upon Atmospher Indiances, he litherated the convention of the 12th inter, in his new series, Soc. 6, upon Atmospher Indiances, he litherated the interest of the series of the ser

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gossan seen, the absence of it in this case was not so very discouraging. In the fond hope, therefore, of realising the flattering predictions of the geologists, a spirited prosecution of a mine at this point was proceeded with, and great were the expectations of the shareholders. The shaft had reached its destination for the first cross-cut. The cross-cut was rapidly making way to its object; all were on the tip-toe of expectation; when, behold one fine morning, the adit, which up to this time had given out only, comparatively speaking, a limpid stream, seemed suddenly charged with a river of blood. It told its own tale—a worful tale-to the unfortunate shareholders. All their high hopes, anticipations, and expectations had—

"Meited into air, into thin air,
And, like the baseless fabric of a vision,
Left not a rack behind."

The workmen had suddenly cut into the lode, and discovered a rich course of hematitic iron, without the remotest trace of any other metal; and upon this identical lode, about half a mile to the westward of this failure, is even now being wrought an iron mine, with some little success—the back of the vein being for the most part massive quartz, with some traces of iron ore.

Through what new scenes and changes this monstrous lode is destined to pass, is not for me even to surmise; I must leave the subject to the more learned in such abstruse sciences. We have seen it rich in copper, tin, iron, and zinc. It has produced some silver and lead, and those metals were intimately combined with sulphur and arsenic. I also detected the presence of antimony in the argentiferous ores. From all the accounts hitherto obtained from California, the gold-producing rock of that country is quartzose. It is in the far west, it must be confessed, but the lode upon which I have been descanting continues its course westerly; and I consider it just as possible that it may be the identical gold-producing vein of that El Dorado, as that it was charged with its metal from below, or filled from above; and having hint

"The wide, the unbounded prospect lies before them;
If shadows, clouds, and darkness rest upon it,
Here will I hold."

Camborne, April 21.

A PRACTICAL MINER.

Camborne, April 21.

On VOLCANIC MOUNTAINS AND THE ORIGIN OF STREAM TIN SIR.—On looking over your Journal of the 22d instant, I was much amused with friend Pauli's legends and mining traditions, particularly to find him of the greens school, and believing that every mountain on Dartmoor was the production of that terrific age. I have no doubt but that he believes what is written in the Book of Genesis as to the earth, and every living thing being created within six days. Tradition tells us that in early days the lightning flashed, and the thunders rolled, and water deluged the earth, but I am not aware of any ancient writing, with the exception of Milton's, which tells us that at any period since creation the earth became heated to a state of fusion, which rent the globe in countless pieces, and threw up all the hills as fery mountains. Will friend Paull condescend to tell us, whether it is his opinion that God did this in his wrath to scourge man for the fall of Adam? if so, where did they fly for refuge when the ground they stood on was a liquid fire? it must have destroyed the air they breathed. Does he suppose Milton a divine, who revealed these remains of mountains of fire and stone? In either case there appears to have been a prevailing law that governed the formation of every hill. I would not attempt to argue as to the globe being 8000 or even 8,000,000 years old, but would venture to assert that every hill is produced by the different elementary portions it is surrounded with; and where these combinations vary we find the crystalline rocks do the same. Look at the granite rock; see its countiess crystalline rocks do the same. Look at the granite rock; see its countiess crystalline structures—see how beautiful they take their places and form; let us suppose them once a melting fiery mass that boiled in ebullition for ages, and then rolled forth like rivers of running water. What law when in such a state could keep each portion and its crystals so distinct? If we look at our melting furnaces, we cortainl ON VOLCANIC MOUNTAINS AND THE ORIGIN OF STREAM TIN

what igneous law can up to the control of the world, when all the most am not inclined to believe that crystalline rocks are the produce of great heats: it has far more the appearance of a cold process, such as we see Nature performing every day.

This may well be termed the scientific year of the world, when all the most able chemists of the day will display their mighty talents, and bring forth their wondrous works. Will they manufacture by great heat, and produce a similar block to one cleft from this supposed volcanic granite rock? I say, friend Paull, why waste our time on legends and Druid tales? There are far better things in store, and I know thee better fit, but for argument sake I will indulge a little on the tin side of the question, and pass by California and its gold showers for the present. In reference to showers of tinstone from Heaven, do you suppose the ancient timers of Dartmoor were a highly favoured race in the sight of God, and it was sent them as a blessing, or showered down as a curse to compel them to labour, and earn their bread by the sweat of their brow? I would next ask, if you ever knew of stream tin being found where there was not in lodes? except in the valleys below, where it is carried down by torrents of water. With regard to its being of a different quality to what is found in lodes, is really nothing more than any rational man might expect—stream tin being an oxide, while that found in mines is mixed with active minerals, such as sulplur, arsenic, and other decomposing ores, which from the lapse of time has dissolved and left the stream tin more pure. Besides, the rough surface displayed in the two western counties will give ample proof that tin was more plentiful and richer in quality near the surface than in depth. In fact, I know of but few instances where ore is found near the surface but it is richer in quality that portion which really bears on the subject. It is evident Mr. Enaor takes an erroneous view of Capt. Pauli's letter, No. 3, on "Mining Traditions;" he gives

mena seen in the mining districts may not harmonise with them. He does not appear so anxious to support the igneous theory as this communication would imply, and distinctly states his conviction of stream tin generally being the result of decomposition of the matrix, or metal-containing strata. Most traditions have been founded on some physical facts, and we do not see but Capt. Paull's suggestions are as feasible and amusing as many other attempted elucidations of geological phenomena, the true solution of which is beyond the reach of "mortal ken."—Ed.: M. J.]

# TREVOOLE MINE, IN THE CAMBORNE DISTRICT.

TREVOLE MINE, IN THE CAMBORNE DISTRICT.

SIR.—Amonat the mines now being, or about to be, set to work, I am pleased thinks, the lode passing into a greenstone stratum, the quartraces of haracter of the vein had entirely disappeared, and the copper ore was displaced by a rich deposit of tin; and so entirely was the face of the vein altered, that at some very remote period, when its backs were worked for tin, it had obtained the cognomen of the "black works," from the dark colour of its matrix. These works were resumed by the Charlestown United Mines Company for tin, about 20 years ago, and have since been wrought with great success, but in their set the copper and almost wholly disappeared. and westerly of this the lode, passing into a stratum of argillaceous schist became for a great length quite unproductive, and divested of any metallic character, saving sprinklings of iron, though it was searched and cross-cut at various places, at no small depths and at considerable expense; but it was known that about half a mile westerly of the Charlestown United Mines the lode, to use the familiar phraseology of the day, nothing less than an immense deposit of metalliferous ores was counted to provide the proposed in perfect reliance on the concurrent statements of the learned geologists of the day, nothing less than an immense deposit of metalliferous ores was counted to provide an an immense deposit of metalliferous ores was counted to rect a 60-inch steam-engine on the old engine-shaft, already annk 78 fins. At or near the junction, at the back, the lode had been opened. It was of a fine size, but afforded no gossan; nevertheless, it was a very promising quartzoes stone, occasionally giving some good-looking iron pyrites; and as in the Fowey Consols, and other copper mines in the locality, there had not been much

(of the Lewis Mines), and Mr. Evan Hopkins, have reported favourably of the ground, to whom reference is kindly permitted, and I can add my humble testimony to theirs. I should add, that Copper Bottom Mine, once so rich in copper, and promising to be rich again, lies immediately west of Trevole sett Truro, April 24.

UNITED MEXICAN MINING ASSOCIATION.

UNITED MEXICAN MINING ASSOCIATION.

Sir.—It must be matter of considerable surprise to the proprietors of the company to observe the recent causeless depreciation in the market value of their shares, duly weighing the progressive advancement making in their new and promising mine operations on the known La Luz vein, the immensely rich continuous product from which, in the immediate vicinity of the two mines leased by the United Mexican Company (Jesus Maria-y-José and La Trinidad) the sinking operations in which towards the vein appear from the tidings by the last two packets strongly to indicate approximation.

A third new undertaking of considerable magnitude, Mina Grande, has already yielded substantial proof of richness, with promise not merely of cancelling at an early period a contemplated outlay to place it in working order but such immediate returns as will amply compensate the shareholders in this spirited enterprise.

but such immediate returns as will amply compensate the shareholders in the spirited enterprise.

Mr. Parkman, their experienced and intelligent superintendent, wrote per last packet that the workings in arrastre, outside and in upper wall of the voin, presented favourable circumstances to the rapid and economised advancement of the work. He expected in the month commencing (March) to be enabled to test the principal vein in three distinct points by cross-cuts, and that the result will prove satisfactory. Ore from this mine assays 13 marks per monton. To this may be added that richly-yielding points, opening in a known valuable portion of Rayas—viz.: the contra cielo, La Purisima, frente of the same name, with great probability of being permanent—was now giving out valuable ore, particularly rich in gold. The reported available asset in Gunnaxuato exceeds that of the preceding month. Rayas profit of the month of February was \$21,039 6 3.

was \$21,039 6 3.

In Rayas, the works in ore—San Christobal, San Crecencio, Santa Rosalia, San Diego, and San Isabel—continued to produce ore as in the preceding month. The outlay on the new mine (Aldana) will henceforth be moderated, and it is hoped the changed direction of the working may give out favourable features, hitherto unsuccessfully sought for, but known to exist.

Finally, it should be borne in mind that a substantial asset (over 11,000L) in London awaits only a moderate further remittance, coupled with such tidings of productive realisation from Guanaxuato (from one or more of the promising mines already adverted to), to induce the directors in London forthwith to declare a dividend.—An Old Mexican: April 23.

## THE ENGINE AT BODMIN WHEAL MARY.

Sir.—Allow me to correct an error in your report of the working of a 50-in. ngine at Bodmin Wheal Mary, wherein you state it is the first 50-in. that has een manufactured east of Truro. I made one in 1846 for Wheal Trelawny, there it is still at work.—John Hodge: St. Austell Foundry, April 22.

## LEGITIMATE MINING-MILL POOL MINE.

LEGITIMATE MINING—MILL POOL MINE.

Sir,—In your valuable Journal of last week I noticed an observation calculated to damage the character of this undertaking; and, as I know that both your object and my own is to support legitimate mining in every part of this country, I take the liberty to trouble you with a few observations upon the short but pithy condemnation of Mill Pool to which I have alluded. The statement is but short; it merely asserts that "Mill Pool has two steam-engines erecting; but Mill Pool is no great things." I contend that, if we have a good thing to say of any one we may say it as curtly as we please, but in speaking anything of a contrary tendency it behoves us to be very particular, not only in our method of doing so, but that we be fortified with arguments carrying a strong conviction of the correctness of our position; and in nipping an investment (in which several gentlemen are embarked, supported by good practical authority) in the bud, we should not use our reasons for such a sweeping condemnation, and in destroying the confidence of the proprietary and the public, sparingly. I happen to know that the object in working Mill Pool is purely that for which so many great Cornish mines have been undertaken, and which has done so much good for the county—viz., a well-grounded expectation of gain, upon a fair and candid review of the prespects, as entertained by practical men of standing and experience; and the speedy erection of two engines show that the parties engaged in opening Mill Pool are in earnest. Had the mine been undertaken with any sinister motives, either for puffing the property for the purpose of sale, or for raising it beyond its fair level in the scale of prices, you would not have found me, at any rate, to have advocated its claims to consideration.

The Mill Pool Mile stands surrounded by a cluster of mines, whose value

the mine been undertaken with any sinister motives, either for puffing the property for the purpose of sale, or for raising it beyond its fair level in the scale of prices, you would not have found me, at any rate, to have advocated its claims to consideration.

The Mill Pool Mine stands surrounded by a cluster of mines, whose value in every direction is equal to any in that belt of metalliferous formation, extending from channel to channel, immediately to the westward of the Great Camborne Mines; and its own peculiar locality is tin-bearing to an extent to satisfy the most covetous. To the south-east are the great mines of Wheal Vor and the Great Work—the foot of the slope of the hills in which they are placed reaching beyond to the northward, and containing the Mill Pool grant. To the eastward is Croft, Gutheral, and Godolphin Mines; to the north—sattward Lewis Mines; to the north Wheal Virgin, Gurlyn, and Penberthy Crofts; to the north—west Wheal Friendship and the Tregurrah Downs Mines; and in other points of the compass Owen Vean, Wheal Caroline, Wheal Neptune, Wheal Speedwell, Wheal Wellington; and joined with it, or immediately adjacent to it, lie Halamanning, Retallack, Wheal Guskis, &c., from the whole of which mines an amount of tin and copper has been drawn which has been of enormous value, whether we consider its intrinsic worth, or the benefits its extraction has conferred upon the community. When, some time since, I examined the Mill Pool property, I found the attention of the adventurers directed to two lodes. One of them was called the Mill Pool standard, and had apparently yielded a great body of tin, as its surface had been dug up to the depth to which open casting had been practicable by the old miners. The south lode was the other, and that had been worked by means of a water-wheel, placed under the stream of the Relubbas River, and by its means a more recent race of miners had carried down their works to a slight depth below the acid thevel; and there is abundant evidence that the proprieto

# NORTH WHEAL BULLER (GREAT SOUTH TOLGUS).

NORTH WHEAL BULLER (GREAT SOUTH TOLGUS).

Sirk.—Being quite aware of your anxiety to denounce malicious attempts to damage legitimate mining undertakings, I briedy call your attention to the letter of "Fair Play," in last week's Journal. This anonymous correspondent would have it understood that the reports of this mine, published in your Journal, are forwarded without the name of the writer. This I meet with a flat contradiction, which you can confirm. He next impugns the trathfulness of those reports—every word of which may, nevertheless, be implicitly relied upon, and will be confirmed by the manager, Captain W. Sincock, or the agent, Mr. Haye, at the mine, on application being made to them by any respectable parties, who can inspect also, if they desire it. I am unwilling to refer to the sneering tone of the letter; but I merely ask if this anonymous and gratuitous attack upon a promising mine, worked by a highly-respectable company, composed of men of capital and character, and under the guidance of competent and trustworthy agents, has not the appearance of foul rather than "fair" play?—An Adventure: April 23.

# MINING STATISTICS.

MINING STATISTICS.

Sin,—The public is much indebted to Mr. Joseph Y. Watson for his series of views of mines, drawn up with the ability characteristic of the writer, and eminently useful to the mining public. If Mr. Watson would further add to the obligations thereby created, he would himself, or give permissing to some other party to, embody these statistics in a volume, for which, in these days of mining enterprise, a large sale might be calculated upon—this is, at items, as idea of one of the numerous stendy readers of your Journal.

Mr. Watson, I perceive, in his description of Herodafoot Mine, is puzzled to account for the derivation of the name. "Tradition," he states, "gives no

clus to its extraordinary name;" but afterwards adds, "the lode runs parallet to the valloy of the Heredsfoot River." Will Mr. Watson allow me to suggest that there as the exigin of the name—the river being, of course, "as old as the fills." Bat, as to the meaning of Herodsfoot, nothing is more probable that that it is a corrupted word—just as the "Moselle," a small rivulet running by Tottenham, near-londen, and giving the name to "Maswell" Hill, was originally Mose well—or a spring fringed with moss.

\*\*London\*\*, April 22.

ASTURIAN MINING COMPANY.

ASTURIAN MINING COMPANY.

Sire,—As I field my observations upon the graceful report of the dominant party in this company cannot, without inconveniently dividing thems, be brought under the notice of your readers this week, perhaps you will allow me a few words symptomatic of vitality, lest any kind friends should delude themselves by supposing me morally or physically defunct.

To those respectable members of the company who are led away by the confidence derived from assumed carnestness and honesty of purpose in the measure of the contract in dispute, I have merely to urge the common prudence of suspending a judgment. No doubt their own intelligence will have suggested as much, when parties accused of the grossest directions of duty (speaking far within the mark) answer the charges against them by abusive personality, tinged with bigotry; but when I assure them that not one imperiant fact in that roport is fairly stated, their interest may lead them to pay henceforth more attention to their affairs than to accept, without reserve, the promises and statements of men whose past assertions have proved so fallacious. This caution is now more especially incumbent on the independent shareholders, as they have, by their last resolutions, made themselves personally liable for the littingation of their new administrators, who are solely interested in shrouding the true autject of investigation.—B. Monan: Parti-street, Islington, April 25.

# A Compendium of British Mining.

BY J. Y. WATSON, ESQ., F.G.S.

## EAST TAMAR CONSOLIDATED SILVER-LEAD MINES. BEERFERRIS, DEVON,

Are situate near the banks of the River Tamar, the setts consisting of Whitsun, Lockeridge, and Furzehill. In extent they are 858 fathom (nearly a mile) on the course of the lode, and are held under lease from the Earl of Mount Edgecumbe for 21 years, from the 25th of December, 1804, at 1-20th dues, until the outlay of the present company (5000h) has been repaid them, after which the dues to be 1-15th. Conducted on the Cost-book System, with two-monthly meetings, held regularly in London, when the fullest statements respecting the mines and the accounts are laid before the shareholders. Committee of management, Wm. Alexander Thomas, Esq. (director of Devon Great Consols); H. J. Blaksley, Esq.; J. Browne, Esq. Secretary, Gustavus Kieckhoefer, Esq.; offices, 50, Threadneedle-street, London; manager at the mine, James Wolferstan, Esq.; agent, Capt. Robins, inn.

Thomas, Esq. (director of Devon Great Consols); H. J. Blaksley, Esq.; J. Browne, Esq. Secretary, Gastavus Kicckhoefer, Esq.; offices, 50, Thread-needle-street, London; manager at the mine, James Wolferstan, Esq.; agent, Capt. Robins, jun.

The mines, comprised under the name of East Tamar, have been worked at various periods since the days of Queen Anne, and have yielded large quantities of silver-lead ores. In the latter part of 1844, a London company obtained the present lease, and commenced operations in April, 1845, by clearing up six different shafts 40 fms. under the adit, of 30 fms. deep, and cleared old levels and made new—in all, nearly 3000 fms.; this, in addition to erecting expensive machinery, was met by a subscribed capital of 15,750. and ores raised and sold amounting to nearly 10,000. During the commercial crisis in 1847, the holders of the greater part of the shares became bankrapt and insolvent, and, in consequence, the mine was suspended, and the present company entered into negociations with the old, and eventually purchased the whole concern, with machinery, valued at 80004, and all the benefit of the large outlay in opening the mine, as before named, for 51754. This sum was provided by a subscription of 11s. 6d. per share on 9000 shares, and calls have since been made, making the amount paid up by the present company 24s. 6d. per share. Mr. James Wolferstan was appointed manager, and operations commenced in April, 1848, and the returns of lead have been, to the 5th April, 1851, 1071 tons 9 cwts. producing 14,3504,18s. 8d. The present returns are 30 tons per month, which very nearly meet the cost; but, as a great quantity of dead work has to be done underground in opening and clearing levels and at surface, in making dressing-floors, &c., the expenses should not rightly be considered as current cost; and as according to the manager's last report, the ore ground new standing, and immediately available, is 1835 fathoms, and estimated to produce 504 tons of lead, at 14t, per ton, the mine, it

## [FROM A CORRESPONDENT.] THE BOTALLACK TIN AND COPPER MINE.

The present adventurers commenced working this mine in Jan., 1836, the mine and materials having been purchased from the former adventurers (who made very large profits) by the present purser and manager, Mr. S. H. James, and from that time (1836) until December, 1841, made an onlay of—

 Call on adventurers
 £17,500 0 0

 Tit sold
 13,166 0 0

 Copper sold
 3,050 0 0

Making a total outlay of ..... £33,726 0 0

ing four strokes a minute, ½-inch pump. The sea was never "tapped" in this mine; but at Wheal Cock, which has latterly been added to Botallack sett, it has been done, and is the spot to which the agents take the "lion hunters," who wish to go under the Atlantic and hear it roar; and there is no mistake in eaying it is an awful sound to "ears polite."

DUES PAID BY MINES	AND STREAMS IN	THE PARISH (	OF ST. JUST. 1880.
Works.	Mineral.	Dues	Armount

Works,	Mineral.		Dues.		Am	oun	t.	
Levant	Tin		1-20		£731	6	0	
Ditto			1-20		563	19	0	
Balleswidden		*****	1-33		691	1.	0	
Botaliack		****	1-24		435	14:	0	
Ditto	Copper	*****	1-24		- 44	16:	8	
Wheal Owles			1-40	*****	250	17	2	
Spearne Consols		*****	1-20		269	14	4	
Boscaswell Downs			1-20	*****	228	3	0	
Boswedden	Tin .		1-20		59	13:	9	
Wheel Bal	Tin		1.20			11	9	
Delowall and Nanpean	Tin		1-20		20		6	н
Bothern	Tin	** ** **					81	
Rule Frances	Tin	*****	1-12		114	1.0	000	0
Hicks's Frances	Tin:					0	0	析
Boscoan	Tin	****		*****	30.	0	0	
Wheal Augusta	Tin	****	1-20		1	0	0	50

Being an excess of 231, 11s. 1d. over that of 1849.

## PROGRESS OF MINING-DIVIDENDS, &c.

We this week furnish the third portion of this important quarterly account, which must prove interesting to all who participate in the advantages therein cified, as well as our readers generally : -

which must prove interesting to all who participate in the advantages therein specified, as well as our readers generally:—

Ballmander of the mine, St. Just) comprises an extensive sett 1200, fms leng, containing several extraordinarily rich tin lodes. The concern has been more a private advanture, among a few individuals in and around Penzance and the western district, than a public mining company, so that we are not supplied with sufficient statistical information to make such a report of it as we could wish, and it really deserves; still, we think it right to give what we can, and hope it will induce the purser, or one of the agents or adventurers, to furnish us with full particulars, which we shall most readily insert. The shares are 1624, and the outlay thereon was 114.6s., or 18,3464. It has been very productive, and realised handsome profits: as far as we are able to trace, it has been doing so for eight years past. In 1845 the dividends were about 4000l, the returns of tin being about 50 tons per month (exceeding that of any mine in the county). The first six months of 1846 left a profit of 2040l. 11s. 3d.—487l. 4s. more, or 6s. divided on 31st August. In 1849 dividends of 349ll. 16s., or 2l. 3s. per 1624th were made. In 1850 they were 2844l. or Il. 15s., making for the two last years 6334l. 16s., or 3l. 18s. per share, and we are daily expecting to learn of another for the last quarter. The dues are unusually moderate, only 1-33d, and 11 years of the lease is unexpired. At the present market price of shares, 10l. per 1624th, it is 9 years' value. Towards Christmas, 1847, the 114 fm. level was in a very rich course of tin. The dividends have not been regular, owing to the fluctuations in the price. The number of individuals employed is about 650. Upon the mine are two pumping engines, several steam-whims for drawing and crushing, one large one for the latter purpose working 96 heads. On the 22d Jan, 1847, a tremendous run of ground took place at this mine, the largest ever recorded; it resembled an ear

person being hurt.

WHEAL TRELAWNY (silver-lead, Menheniot) is in 520 shares, upon which calls have been made to the amount of 3t. 15s. (1950L). The sett is from 400 to 450 fms. in length, and taken for 21 years about 8 years ago, paying 1-12th dish to the lords. Since 1844 they have made considerable returns, particularly, from the ground to the southward, yielding about 100 tons of ore monthly. They have ample steam-power of every description, and are in an excellent state of working down to a 92 fm. level, and likely to maintain the present state of dividends, if not increase them. From 1846 to the present date the present dividends paid have been 18/380L, or 26L 10s per share; at the present marketable rate of shares, 55L, it is nine years value.

TEXTHELLAN (copper mine, Gwannan), a continuation of Trespyran lode.

ketable rate of shares, 55£, it is nine years value.

Terrhellan (copper mine, Gwennap), a coatinuation of Tresavean lode westward for 84 fms. in length, has only one shaft, which is down 150 fathoms below adit, the latter being 60 fms. from surface. The 27, 45, 60, 75, 100, and 136 fathom levels respectively, from Tresavean Mine, have been driven right through thissett, yielding good profit to the shareholders. The water is drained by the Tresavean engine, they paying compensation. The concern is in 120 shares, and became profitable before 5£ per share had been expended. The dues are 1-15th, and the lease has 11 years to run. The dividends have been about 490£ per share. During the last two years the lode has not turned out so good; the dividends have, therefore, declined. On the 28th Jan. they paid from Nov. and Dec. ores a dividend of 300£, being 2£ 10s. We have no notice of the following two months' statement, but at that rate of dividend the present market price of shares, 18£, would be only 1½ years' purchase. Still, from the present decreased sampling of ores from this mine, it is not likely that bimonthly or regular dividends will be made, which accounts for the depreciation in the price of shares.

Levart (tin and copper, St. Just) is principally held by gentlemen resident.

in the price of shares.

LEVANT (tin and copper, St. Just) is principally held by gentlemen resident in the vicinity (Penzance and Traro), who have realised very large profits therefrom. It produces very rich ore of both kinds, and is worked 240 fms. below the sea level, and a considerable way out under it, so that in rough weather the breaking of the waves upon the beach is distinctly heard by the labourers. The water in some of the levels is rather salt, though there is very little of it. The profits divided since 1835 were to a considerable amount. During the last two years they paid 10,720f., being 671 per 160th. In February a further sum of 800f., being 51 per 160th, was divided. At that rate, the present price of shares, 175f., is six years value.

WHERL SEFON (Copper, Camberne).—This concern commenced operations

present price of shares, 175L, is six years' value.

WHEAL SETON (copper, Camborne).—This concern commenced operations in 1868, and expended 21,186L.—being divided into 198 shares, upon which 107L each had been paid. The great caunter lode, which is from 6 to 8 feet wide, runs through the sett of North Roskear, East Crofty, and East Pool, and westward threagh West Seton. This caunter has yielded large returns. There are several other lodes in the sett, which is in an excellent mining neighbourhood. This mine paid her first dividend 10th Feb., 1846, of 71. 10s. per 198th share; in Feb. last, another of 5L (per 198th), 990L. The account day for Jan. and Feb. was on Monday last, which we shall give particulars of, if favoured with it in time. At this rate of dividend, the market price of shares (210L) is seven years' value.

WHEAL RESERT (UN Lalant) is a productive to mine and health shares.

(2101.) is seven years' value.

WHEAL REETH (Uny Leiant) is a productive tin mine, and has been at work for several years; in 240 shares; the capital expended (2041. per share) is 49201. It has made considerable return to its shareholders; but, being almost a private company, we are unable to supply such statistical facts as we could desire—suffice it to say that we shall be ready to do so, if favoured with the particulars from an authentic source, which is very desirable. During last year it divided 30001 profit, being 121 103 per share. In Feb. it made a dividend of 12001, which is 51, per share, and one is expected this month, showing the prosperity that attends its prosecution at this moment. At such a rate, these shares, at 1051 each, are 33 years' value.

WHEAL FERNMENTE (conner, Mary Tavy, Davon) has for unwards of half

where stares, at 1001 each, are 34 years' value.

Wheat Friendship (copper, Mary Tavy, Devon) has for upwards of half a century been a very productive and profitable mine, yielding dividends to its fortunate proprietors, amounting to 297,0781. 19s. 11d., and paying the lord's dues, 95,859. 11s. 4d. The mine is 210 fathoms deep, the original outlay upon which was 15,1202, being 1202 per 126th share. In February, 7561. dividend was made, being 62, per share; therefore, at the present market price, 1202, it is about four years' value.

West Caradon (copper, St. Cleer, Liskeard) was worked a very many years back, "beyond the memory of the oldest inhabitant." It was resumed by the present proprietors in 1838, and is divided into 256 shares, upon which an expenditure of 20t. each brought them into profitable operation. The sett is about 440 fms. north and south, and 370 from east to west, having Sonth Caradon lodes running through it, adit about 23 fathoms, and levels below, 128 fms. on Vivian's lode. They have a fine course of ore gone down in the bottom of the 50, on Jope's lode, from whence a rich stone, about 32 cwts., was taken of about 40 produce, consisting of malicable copper, grey and other ore, which is now in the Great Exhibition of 1861. It commenced making dividends in 1845, and to the end of 1850 had paid 39,104t—being 1521, 15s. per share. In February it divided 640t, being 22. 10s. per 256th share; a similar dividend is expected this month, and more for the future, prospects being exceedingly good, which, at 1174, 10s. market value for shares, is 7 years value.

St. Ives's Consols (tin. St. Just) has been at work about 36 years: in 94

this month, and more for the future, prospects being exceedingly good, which, at 1171. 10s. market value for shares, is 73 years' value.

Sr. Ive's Coxsors (tin, St. Just) has been at work about 36 years; in 94 shares, the outlay upon which was 80.6 each, which brought them into a remunerative state, since which they have made very large profits; but we are not in a position to state correctly the amount, and therefore hope to receive such statistical information as the pastics interested may be willing to convey to us for publication. The profits have fluctuated according to the prace of tin. The mine is nearly 200 fms. in depth, and the source from whence a considerable portion of its riches has been derived is from the Carbona, which would prove very interesting could we obtain full particulars from an agent belonging to the mine, which we hope to do. In February they made a dividend of 2764, being 44 pears' value, supposing the dividends are kept up bi-mounthly.

Lewis Mink (St. Erth) was put to work by the present party in May, 1848, in 1000 shares, and upon the outlay of 17t, per share became profitable in Jan., 1849, since which she has paid off the floating balance then standing of about 80001, and upwards of 20002 more for the requisite machinery necessary to bring her into the present state of profitable working. They have only recently reached the depth of 90 fms., and intersected the lode. As soon as they are under the tinny ground they had in the 80, the samplings will increase, and the probability, ere long, be forthcoming. The first dividend of 10s. per share was made 4th December 1set; the second 10s on the 12th February; the third 10s, and the Properse Mayers (tin. Uny Lelant) have been at work for several years.

Propyrepose Mayers (tin. Uny Lelant) have been at work for several years.

years' purchase.

Providence: Mines (tin, Uny Lelant) have been at work for several years, under the able management of Capt. Sanders, R.N., to whom the adventurers presented in February, 1850, a handsome purse containing 100 guineas, for his ability and exertions in bringing the mine into such a profitable state of working. The shares (2024, paid) are held in few hands, and it may be considered almost as a private company, which accounts for our being unable to render any particulars. The dividends in 1849 were 3840f. and in 1850, 2376f.—together, 11f. 2a per 560th share. In February they divided \$20f. being 15a per share, at which rate shares at \$0t, the market price, is about 62 years' value.

East Wheat Rashemone—A lead and copper mine, situate in the pe of Lanreath Comwall, a short distance below Heredefoot Mine, and the stra congenial for lead, has been favourably reported on by Captain Duneta West Captadon Mine. A now recompany has this week been formed, div nto 3000 shares, for putting it again to work.

# Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ALFRED CONSOLS.—The lode in Field's engine-shaft, sinking under the 80 fm. level, is without change since the last report. The lode in the 80 fm. level, east of this shaft, is a ft wide; \$\tilde{x}\$ files of the north part is werth, for copper ere, from 204, to 301, per fm., and has the appearance of fast improving. The north part has was spoken of in our last report, under No. I wince, is in the bottom of the 80 fm. level, is 3 ft. wide, and we believes with, in sinking on it, be much wider very shortly, and may be valued at the present time for copper ore from 301, to 401, per fm. We shall continue to open on the lode-lines. The lode in No. 2 wince is 4 ft. wide; 3 ft. of the south part is solid copper ore, and worth from 802, to 1001, per fathom. In the 70 fm. level, east of the enginesheft, we have been driving by the side of the ore course during the past week, consequently none of the ore has been broken since; this is for effecting a communication with Wyld's shaft, which we hepe will be in about a week from this time. The lode in the 70 fathom level, weat of Wyld's shaft, is 3 ft. wide, and on the north part there is a solid branch of cupper ore 6 inches wide. There is no change to notice in any other part of these raines.

these mines.

BEDFORD UNITED.—There has been no lode taken down in the 115 fm-level cast of engine-shaft; the lode in the same, level, east of Andrew's winze, is 2 feet wide, worth 2 tons of ore per fm. We are driving by the side of the lode in this level west. In the 105 cast the lode is 3 ft. wide, and will produce 4 tons per fm. The lode in the rise in the 90 is preducing some good saving work. The winze in the 80 is still shking by the side of the lode. In the 47 north we have cut a lode about 18 in, wide, composed of mundic, spar, and black ore. There is a part of the lode about 6 ft. further north, but we have determined driving on the course of the presant part of the lode for a short time.

short time.

BODMIN WHEAL MARY CONSOLS.—The engine works well, and the pitwork is completed to the 29. We are driving west from the plat, to cut No. 3 lode, and have just commenced to drive east upon the lode. In the 19 fm, avel the pitches upon No. 3 are producing good work, and the tributers earning wiges. On No. 1 lode the western winze is holed to Sparge's drift, and the lodes west continue to produce good ore. We have now driven upon this lode for 15 fms. through a fine course of ore, averaging fully 2 tons of ore per fm. for the whole leadth. various tribute pitches will be set on this lode on setting-day (next Saturday). We are cutting through a lode in a cross-cut south of adit, which contains some branches of ore. The ore floors are increased in size, and we have 27 hands fully employed in the ore dressing department. We shall sample at least 50 tons on the 12 kb of next month, and, from present prospects, double the quantity at our nextsampling.

we shall sample at least of tons of the 12th of next month, and, from present prospects, touble the quantity at our next aimpling.

BORINGDON PARK.— We broke some splendid work to-day from Murchison's engine-shaft. It mone of our south branches. I should have sent you a box of periment shiever aim, i but the stones are so very tender that they will not bear shaking.

BOSOEA...—There is a good lode of tin in the engine-shaft, 11 fms. under heat! m. level, from 8.to 16.in. wide; this lode is going wider and better as we sink. Coreis also a good lode of tin in the 40 fm. level, west from engine-shaft. We have also tin in our 30 fm. level west, and at York's shaft, in the 14 fm. level, east and west form shaft. Both ands have much improved the last three weeks, particularly the east; indeed, we consider our prospects were never so good since we commenced operations as it the present time; and if the lode in the engine-shaft centimuse to improve as it has lost time for tright, we have every reason to believe we shall be very shouly in a location to very considerably increase our returns of tin.

position to very considerably increase our returns of tin.

BRYN-ARIAN.—The lode in the 20 fm. level, west of the engine-shaft, is from 5 to 6 ft. wide, yielding about 12 cwts. of ore per fm. The lode in the 10 fm. level, west from the shaft, is 7 feet wide, with several small branches of lead ore, but not of much value. The winze sinking under this level, west of the shaft, is producing 10 cwts. of ore per fm. The stopes in the back and bottom of the deep addit level west are yielding, from 8 to 10 cwts. of ore per fm. The lode in Hallett's shaft is still disordered, and at rescent rether poor.

present rather poor.

BRYNTAIL,—Since last report we have commenced driving east of the first, did cross-cut, and the lode in the end will now produce upwards of 1 ton per fm.; that a continuation westward of the course of lead in the 15 and 10 fm. levels. The lode in he 15 fm. level is worth about 30, per fm., and the stopes in the back 45, per fm. We have set stopes in the back 45 he stopes in the back of the 10 fathorn level cast of Hill's rise, which will produce bout 3 tons per fm. The stopes in the 6 fm. level are just as when last reported. We notice from the course of lead gone down in the 10 fathorn level. We hope to have our haft completed to the add in about three months.

act far from the course of lead gone down in the 10 fathom level. We hope to have our shaft completed to the add it in about three months.

CALLINGTON.—The lode in the diagonal shaft sinking below the 125 fm\_level is 15 in. wide, producing stones of lead, and opening tribute ground; the lode in the 125 north and south is 12 in. wide, producing saving work, and laying open ground that will set at a moderate tribute. We are obliged to suspend the sinking of the counting-house shaft below the 112, in consequence of a great influx of water, which is grierous, the 125 being so far behind it. The lode in the 125, north of the south engine-shaft, is 12 inches wide, composed of soft pare, prian, and shones of lead; we are pushing it on as fast as possible, by six men, to unwater the 112 fm. level; the lode in the 112 fm. level, south of sauth mine, is 10 in. wide, producing 4 vets. of lead per fm. We purpose extending the 125 in the same direction shortly, to keep pace with the other level (112). The lode in the 70, south of free south mine, is 8 in. wide, and will produce 5 vets. of lead per fm. We purpose extending the 125 in the same lode in the 125 cast, is 23 feet wide, goomposed of spar, mundle, and stones of yellow copper or of good quality: I never saw it looking so well as its as present; the same lode in the 50 cast is 2 ft. wide, also producing stones of ore. Our object here is to get to the cast of the great cross-cours, where the lode is very likely to prove productive. The lode in the site over the 70 fm. level is 5 feet wide, producing 24 tems per fm; the stopes in the western end of the same will produce 5 tons per fm. We have extended the 50 eross-out north of Kelly Bray shaft 7 fms. and intersected more than 20 branches, all of them containing copper ore; the last cut is dipping south, and I have no out it interfore, we shall commence staking to effect a communication to the 70 fm. level a tones the lode is so compact; therefore, we shall commence staking to effect a coffer a communication to the 70 f

which will be given in due time.

CEFN BRUNO.—The lode in the 24 fm. level, east of whim-shaft, is still—
lisordered; the lode is 2 ft. wide with some good stones of ore. The lode in the adit east
a 4 feet wide, very promising, and now producing 12 ewts of ore per fm. The lode in
that sinking from the hill side is still looking promising, with good stones of ore. The
ode is not yet cut in the deep adit level, but a good deal of water is coming out of the
nd, indicating a near approach to the lode.

CWMYSTWYTH.—A good lode has been discovered in an old sink below
consall's level, and there is also a very good lode in the adit level driving upon the
outh branch towards this point; the best part of the lode is, however, believed to

e still to the north.

COPPER BOTTOM.—The engine-shaft is sunk 3 fms. below the 50 fathom verel, and we are now preparing to fix our bottom lift. In the 50 fm. level, west of enine-shaft, the lode is 10 in, wide, containing spots of ore; in the rise in the back of this
ovel, east of the engine-shaft, the lode at present is unproductive. In the 40 fm. level,
rest of Paull's shaft, the lode is 18 in, wide, composed of spar, blende, mundic, and ore—
more promising lode than I have ever seen in this level. In the 20 fm. level, diving
rest of Paull's shaft, the lode is 6 in, wide, producing stones of ore. The level between
he addit and the 10 fm. level, east of Paull's shaft, is improved since least report; the lode
in now 2 ft. wide, producing good ore. In the 10 fm. level, driving west of Stanley's
haft, the lode still looks very promising for copper. We have commenced driving the
0 fm. level west of fint-rod shaft; the lode at present is unproductive. We have comnunicated Gendall's shaft with the 20 fm. level; the men are now casing down the shaft,
we hope to sample next week about 22 or 28 tons of ore.

municated constant's shart with the 20 m. levest the mon are now casing down the shaft. We hope to sample next week about 22 or 25 tons of ore.

DEVON AND COURTENAY.—The 30 end is favourable for driving, and the folds is producing some ore in a pretty gossan. We have about 5 fms. more to drive to communicate with the 40 fast, which I think will be done in this month, if the ground continues as favourable as at present. This will ventilate both the 30 and the 40 fathom levels, and improve the ventilation of the whole mine; the 40 winze is at present poor, but the ground is favourable for sinking. There is no alteration in the 60 east to notice this week; this end will be communicated with the winze in the 50 fathom level in the bettom of the end of the 60 west, and for 3 ft. high, we have a good crey lode, which is evidently rising; and, indeing from its appearance during the 60 fm. level; in the bettom of the end of the 60 west, and for 3 ft. high, we have a good crey lode, which is evidently rising; and, indeing from its appearance during the hast three or four days. I have reason to believe the lode will, ere long, be more productive than it now is. We are progressing well with Carthew's and also Rendle's shafts. I have set the open cutting, or lobby, to clear out, at 2s, per fathom; and the men are pushing on well with the work. We shall immediately commence the cutting the water leat to bring the water to the whoel. We are not getting on so fast as I could wish with the dressing of the orea—being obliged to reduce the whole by hand. However, we shall sample in a few days 28 tons.

EAST BALLESWIDDEN .- We have forked the water 5 fms. under the ST BALLESWIDDEN.—We have forked the water o rms. under the vol, and find the ground all worked east and west of engine-shaft for the. We have cred a level going east on the north lode, and the ground is all worked for the ide in the lottom of the shaft is rich for the the smalls of it worth 1s. 6d. per sack allons—I never saw anything like it before in any mine that ever I have been ned in. In the sdift end, where we set the pitch on the flat lode, the men are going. I. We want to get to bottom as speedily as possible, so as to put miners to work, I have no doubt we shall raise an abundance of tin.

when I have no doubt we shall raise an abundance of un.

EAST CROWNDALE.—My impression is, that we shall get a better defined lode; as well as more productive, under the civan-courses than above: the lode is here about its size, said we have now good work coming from the 50. The tender for stlering the engine is 55: the, which is too high; it can be done cheaper, when we are down another lift, as we can then part with some stamping power, during the process of sixking, withoutleading fine engine any deeper; and if our prespects improve, so as 50.

employ the whole of the stamps, we must then do it.

EAST WHEAL GEORGE—The branch in the 23 fm. level west is inclinar fast towards the lode, which will form the north part of the lode 6 ft. farther west; the branch is small, producing good stones of ore, but not of much value—ground improved for driving. The lode in the 22 seat is producing some good work for 8 feet high in the end. The lode in the wirns an sine bottom of the 12 cast is producing occasionally stones of ore—a kindly lode, but not rich. The lode in the 15 cast is very large, yielding, some ore, but not of much value: I purpose discountinuing this next setting-day, and to put the men in the winze to communicate to the 23, as soon as possible, having two objects in view—more air, and laying open more ground for stoping the backs of the 23 as soon as the winze is holed. We purpose sinking at once a winze in the bunch of one west of the shaft. The lode in the stopes in the back of the 12 fm. level west is yielding.

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report shaft to the wall ningle ditto, good borne

The worth of over per fm.

EAST WHEAL REETH.—The 10 fm. level is again improved, both in size and quality, the lode being about 10 inches big, except towards the bottom of the level, where it is still small, but evidently their throughout; the ground is much softer, for driving, and appearances better altogether. The engine-bests is almost ready for receive the engine. We brought the boiler on the mine yesterday, and things westen well.

EAST WHEAL RUSSELL.—Hitchine's engine-shaft is new 10 fms. 5 ft. below the suit terei; the bode in which is firster, and more estitish in its nature, showing copper and greens in the green. I have never seen it looking, more favourable than at present. We are in a promising way to seeing this lode at a greater depth, as our one give its working well, and the weather considerably improved.

GARREG.—There is nothing particular to report of this mine. The south eads sischarging more water daily, and surely cannot be far from making a communication; the end is producing saving work, worth about 3t. per fm; fit the north end in the order of the more first work and about a week.

GREAT BRYN CONSOLS.—We have cut the north lade about 200 fms, west of the deep adlt; it is 3 fms. wide, of very promising character, consaining peach, mundle, flookan, and spots of black and grey copper ore, and there is every appearance of it making a quantity of copper in depth at the foot of the granite. We are now trying to discover this lode east of the have, and hope to do so this week; of itself it would warrant the putting up of steam-power, independent of the numerous other ledes this

sett contains.

GREAT POLIGOOTH.—The shaftmen are still employed in cutting the start plat in the 110 fm. level at Taylor's shaft, in consequence of part of the men being employed dividing the shaft for the whim to draw stuff; the plat is not finished. The 96 fm. level, east from Clarke's shaft, south of the great elvan-course, continues in the improved state as last reported. In the 84 fathem level east from Clarke's shaft, on the north lode, no alteration, fully 2 feet wide, and rich for tin, worth 15 owts. of sin per 100 sacks; the pitch in the back of the 84 fm. level, west from Clarke's shaft, one level, west from Clarke's shaft, one level, west from Stick's shaft, the lode is improved. In the 45 fm. level, seat from the shaft, such as last reported, the lode small, but rich for tin. The pitches are producing all the usual quantity of tin.

HEIGNSTON DOWN CONSOLS.—The lode in the 45 has improved since HEIGNSTUN DOWN CONSOLS.—The lode in the 45 has improved since last taken down, producing good stones of black and yellow ore, and altogether exhibiting a very encouraging appearance, and promising improvement eastward. In the 35 fathom level the lode is large, and carrying a little ore. From the indications in the cross-cut towards the south lode, I am induced to think we are getting near the lode, the ground being impregnated with ore. Hitchina's shaft is being sunk as fast as possible—no new appearance. The lode in the 36 west is 3 feet wide, and although not rich, is very promising, and producing a little saving work.

HENNORE —I we ware anytons to see the lode in the 20 fm level—here.

HENNOCK.—I am very anxious to see the lode in the 30 fm. level, when have no doubt but that we shall realise in a great measure our sanguine expectations

I have no doubt but that we shall realise in a great measure our sanguine expectations. HOLMBUSH.—The 50L contract will be finished this month, and everything is going on as favourably as we could wish for with respect to Hitchen's engineshaft. The lode in the 132 fm. level south (the lead lode) is ½ ft. wide, producing 3 cwts. of lead per fm. : the stopes in the back of this level will produce 4 tons of copper ore per fathom; the 132, west of the cross-cut, opposite the diagonal shaft, will produce 1 ton of ore per fm. We have also commineed sinking a winze below this level behind the end. The flap-jack lode in the 120 fm. level east is 3½ ft. wide, producing fine stones of ore, and promising a speedy improvement. The lode in the 110 fm. level east is 3 ft. wide, producing 2 tons of ore per fm. The lode in the 110 fm. level, west of Wall's engine-shaft, is 4½ ft. wide, composed of spar, mundic, blende, and stones of copper ore. The lode in the 100 fm. level, is, on the whole, favourable; the stopes in the bottom of the 100 fm. level, is, on the whole, favourable; the stopes in the bottom of the 100 fm. level, is, on the whole, favourand, is we intimated in our last report, no time will be lost in bringing to market a parcel of isad ore.

Section of the desired process of the section of the desired process of the section of the desired process. The section of the section of the desired process of the section of the sectio

lead ore. The lode in the 40, west of duty, is 3 ht. wide, yielding the stones of sead ore, The lode in the 30, west of Kelth's, is 6 ht. wide, very kindly for lead. A vessel has arrived to take another cargo of lead ore from us.

LAMHEROOE.—I find the progress of the mine to be satisfactory in its principal points. The extension of the 60 fm. level, north from the engine-shaft, is now 50 fms., and is perpendicular to the cropping of the champion lode; it is driven by eight men, at 10½ per fm;, and is in a very fair kills on the east side of the cross-course-20-or 30 fms. further driving will cut the great champion lode, which in our last discoveries had shown such important and valuable appearances. Addis-shaft, on this lode, is about 7 fms. deep, and the lode has increased from 6 to 10 ft. wide by the addition of the northern branch, which was divided from it by a horse of killss. From the sampling which we have made from this great lode we find it to hold in throughout; the assays vary from 15 to 25 per cent. of oxide of tin, which, if we assume 10 per cent., the value of a fm. will equal 150¼, and the amount of ore raised from the present shaft will probably amount to 1800. I find the wheel-pit, wheel-stamps, and burning-house progressing. This wheel will afford a very small power in comparison to the great amount of ore being discovered; however, it will use our available water-power, which otherwise would be lost. We shall not be in a position to return tin until the end of May. The great point of comideration shortly will be the erection of a steam-etamps. I have not had time togo into particulars about the tin lode in the soule the same about going underground at present to investigate this lode. Capt. Opic asys it is about the same as I reported last. At Jessie's shaft, on the B lode, we are cross-cutting in the 14 fm. level, as the water prevents as sinking to the 20 fm. level, which may be Saturday next. I will duly report each day my progress.

LEWIS.—The new lode in the 90, west from engine-shaft,

last reported.

LLWYNMALEES.—The prospects of this mine are most encouraging. I the 24 fm. level west the lode has very much improved; in the 24 fm. level east the lod appears to be getting stronger, and now contains a nice branch of ore. In the 14 fm level, west the lode has greatly improved—in fact, this level appears improving daily in the 14 fm. level, west of western winze, are not looking so well the stopes from 3 to 5 fms. over the 14 fm. level, west of western winze, are not looking so well the stopes from 3 to 5 fms. over the 14 fm. level, west from western winze, are considered. The 30 faxos of ore sold on the 3d has not yet been shipped, in consequence of the non-arrival of the vessel at Abstrystwith.

quence of the non-arrival of the vessal at Aberystwith.

MERLLYN.—The whim-shaft is sunk about 8 fms. below the 16 fm. level; the lode is not so good as when last reported; the present value is about 25t. per fathom, but has every appearance of again shortly improving. The winze east of the whim-shaft has been sunk about 3 fms.; the lode is worth about 20t. per fm., with very soft concongenial ground; a very short distance east of this place the lode is much more valuable, and taking a western dip. The end driving west of whim-shaft is worth about 30, per fm. The 15-yard level, west of footway shaft, is worth about 30, per fm., and improving as getting clear of the cross-course. A small branch has been intersected in the cross-cut from the engine-shaft, but the main lode is not yet reached.

cut from the engine-shaft, but the main lode is not yet reached.

NORTH BULLER.—The new plunger and drawing lifts in Louisa engine-shaft are completed, and working remarkably well. The men are now engaged in fixing ladders for foot-way. On Monday next we shall re-commence sinking. Do not imagine that anything can secree to hinder our progress till we get to the 46 fm. level, which we calculate to do in about 10 weeks. At that level we would recommend driving north and south to intersect Louisa and other lodes; and from the appearance of Louisa lode in the bottom of the disgonal shaft, and also the lodes that we met with in sinking the engine-shaft, we may fairly expect at that depth they will prove productive. Since last report, we have intersected and driven east 2 fms. 4 ft. on King's lode, which is of a very promising nature; it is 20 in. wide, and underlaying north about 6 in. to a fm., composed of fine goesan, quarte, prian, and flookan, intermixed, and in very favourable ground for driving—let to drive 3 fms. at 24, 10s, per fm.

NORTH WHEAL ROBERT——In our still level we have driven 7 fms. 10 in.

ground for driving—let to drive 3 ms. at 24, 10s. per ms.

NORTH WHEAL ROBERT.—In our adit level we have driven 7 fms. 10 in.,
at 44, 10s. per fm., and set it on 'Saturday at 44, per fm.; the lede is small, being disordered by a cross-course, which has intersected it, but the ground is soft, and of a promising appearance, and I have no doubt, after driving a little further, the lode will assume
its former size. Our wheel-pit will be finished to-morrow (April 25) and the masons have
engaged to build the walls in three weeks. Our bob-pix will be taken out on Saturday,
ready for the masons to commence building the walls for the stand. I have two pair of
sawyers and two carpenters actively employed about the capstan and shears, and cutting
timber for the wheels.

PENRALT.—In the shallow adit eastward the lode is 21 ft. wide, comp TENEALL.—In the shallow adit eastward the lode is 2½ ft. wide, composed of barytes, spar, and flookan, and producing some good stones of lead. We shall be obliged to suspend this end for a few weeks, in order to sink a winze to ventilate the desper adit level, where the lode is more regular, and of a very promising appearance. Since last report we have cut the south part of the lode in the deep adit west of the stark, and are now driving on it westward, and raising some good stones of lead; but the country being somewhat disturbed near the shaft, we do not expect the lode to be very regular, or yield large quantities of lead, till we have driven some few fathoms into the more settled ground.

PENZANCE CONSOLS.—In the 24 fm. level west, on our new lode going PENZANCE CONSULS.—In the 2s im loves west, on our new long goin north, the lode still continues to hold its size, and is producing good stones of fir; goin south, it is getting into a more settled state than it has been, and is from 16 inches to feet wide—a vory kindly lode. In opening on our new lode we have discovered the the old, or engine—shaft, is holding away west in its former course, and in a few days what has the produced by the control of the

PETER TAVY AND MARY TAVY.—The ground is becoming a little softer. I have let 2 fms. to the sumpmen, at the same price as the last. They wanted to take more, but as I am in great hopes that we are nearly through the hard Tavy stone, I declined doing so. When this is completed the shaft will be sunk 43 fms from the adit level. The lode has opened from 15 in. to 4 ft., occasioned by a split; this will come together again. It such hard ground as we have been driving for the last six months, I consider it rather favourable, and with patience and perseverance, we shall overcome these difficulties, the same as our fortunate neighbour has done.

I consider it rather favourable, and with partence and perseverance, we shall overcome those difficulties, the same as our fortunate neighbour has done.

PRAED CONSOLS.—The winze sunk in the cross-cut west of the lode is down 2 fms. below adit. We recommend a shaft to be sunk from the surface upon the winze, to make it a shaft for taking the lode against the fin ground gone down by undeficient to make it a shaft for taking the lode against the fin ground gone down by undeficient and a shaft and a shaft for taking the lode against the fin ground gone down by undeficient and a shaft and a shaft for taking the lode against the fin ground gone down by undeficient and a shaft for taking the shaft is a shallow adit lovel. The deep adit now clearing, and said diving, will unwater this lode about 10 fathon. There are two lodes parallel and south of the above, said to be large and productive, in the adit level and above, but the deep adit must be cleared before an inspection can be made. We deem the morth lode as offering aufficient inducement for the erection of a 24-inch steam-engine. About two mundus will be required for clearing the adit to the north lode. In conclusion, we deem this mine to be among the most desirable and promising of young tin mines.

\*\*ROCKS AND TREVERBYM.\*\* Gray's shaft is sunk about 1 fm. aince last report. In the 40 fm. level, at Boriane's western end, a cross-course 2 or 3 feet wide has passed across the said, and we are now in clay again, gotting westwart forward Gray's shaft. Michall's east, lode 15 to 14 ft. wide, worth 25 owts, per fm.; there is more lode to the north, from which water is issuing. Faull's back, said of ditto, lode 5 ft. wide, refer to more long and the state is using. Faull's back, cast of ditto, lode 5 ft. wide, refer of ditto, 100 ft. wide; Tellain's, west of ditto, lode 5 ft. wide, were good especially the bottom on the whole, as last reported. In the 36 faitoning level observed the said to the north for which we are opaning from strace.

and east of Gray's cross-cut, lode 6 ft. wide, worth 3 cwts. per fm.; Wait's back, lode 8 to 10 ft. wide, worth 2 cwts.; Allen's, lode 7 ft. wide, worth 3 cwts.; Allen's, lode 7 ft. wide, worth 3 cwts. In the 20 fathous revel. Kolling's winze is down? ft shoms, water prevents sinking; lode 1 ft. wide, worth 3 cwts. per fm.; Hooper's west, holed to the old 20 fm. lovel, 2 fms. above the level we have the lode standing dry and comfortable the lode, as share ac no seen, is 6 ft; wise, worth 3 to 2 cwts.; Minear's back east, lode 12 ft. wide, worth 3 cwts. per fm.

SILVER VALLEY AND WHEAL BROTHERS.—The accounts from Sitv Yalley continus favourable. The agent writes, in his last report, that they are progress my well in their workings, and, from present appearances, it cannot be long before hey most with valuable ore. They expect to cut the Marclan cross-course in a fortnight

SOUTH TRELAWNY.—We are driving south by six men in the 60 fash level, ground not quite so favourable—lode splik with horses of killas, between as branches of soft spar, prian, flookan, and mundic; the bearing of the lode is regular, was good walls, but is not discharging so much water as last mentioned.

two good walls, but is not discharging so much water as last mentioned.

TAMAR SILVER-LEAD.—In the 205 end south no lode has been taken down since we commenced driving, but there is every indication to induce us to think it a rich lode. In the 190 end the lode is I ft. wide, composed of capel, spar, and ore. In the 175 the lode is disordered by cross branches, and unproductive. In the 160 the lode is 2 feet wide, I foot of which is good work. In the 145 the lode is 18 in. wide, composed of fluor-spar and good stones of ore. At Spargen's, the engine-shaft is sunk 7 fms. 2 ft. below the 160; the lode in the shaft is 18 in. wide, unproductive. At the north mine, in the 90, driving north, the lode is 2 ft. wide, producing work of a coarse quality. In the 80 the lode is 1 ft. wide, rich work. In the 70 the lode is 3 ft. wide, is in. of which is good saving work. Our last parcel, or March ores, computed 96 tons, was sold to Messrs. Pontificx and Wood, at 161, 165, per ton.

TRELAWNY.—Trelaway shaft is sunk 9 fms. 2 ft. below the 92 fm. levels.

Messrs. Pontifiex and Wood, at 181, 19s. per ton.

TRELAWNY.—Trelawny shaft is sunk 9 fms. 2 ft. below the 92 fm. leveland the ground is still favourable. In the 92 end north the lode is 3 ft. wide, and worth
101, per fm. In the south end in this level the lode is 2 ft. wide, and worth 81, per fm.
In the 82 end north the lode is 3 ft. wide, and worth 17t, per fm. At the north mine
Smith's shaft is sunk 10 fms. 2 ft. below the 55 fm. level, and the ground much the same
as before. In the 55 end north the lode is 2 ft. wide, and worth 7t, per fm. In the 68
end, north of Trehane, the lode is 5 ft. wide, and worth 84, per fm. In the 78, north of
ditto, the lode is 3 feet wide, and worth 84, per fm. In the 78, north of
ditto, the lode is 3 feet wide, and worth 84, per fm. In the 18th 100 though 100 ft.

Fig. 12 ft. CONSON 100 ft. The Stopes are without change.

TRELEIGH CONSOLS.—Christoelode, in the 100 fm.level, west of Garden's, he lode is 20 in. wide, worth 25° per fm. In the 90, west of ditto, the lode is 24° ft. wide, orth 35′, per fm. In the winze below the 80 the lode is 18 in. wide, with good stones of ore, and is looking more kindly. At Parent engine-shaft, below the 52°, on Parent de, we are sinking in the country. In the 30°, east of ditto, we are driving to cut the de. On the middle lode, at Burgess's shaft, below the adit, the lode is 15 in. wide, with ones of ore.

stones of ore.

WARLEGGAN CONSOLS.—The agent writes—"I was much pleased to that the driving in the adit during the past month so productive. The wheel-pit is now pleared out; and the masons will commence building on Monday near. The purser, in a setter (April 14) says—"Capt. Bobert Dunstan has this morning informed me that a very neelede, from 16 to 12 ft. wide, has been cut in the wheel-pit."

fine lode, from 16 to 13 ft. wide, has been ent in the wheel-pit."

WELLINGTON.—The lode in the 50 fm. level, east of the engine-shaft, is 4 feet wide, principally spar; the ground in the cross-cut north, in this level, west of said shaft, still continues good for driving. The ground on No. 1 lode north, in the 40 fm. level west, is fair for driving, and the lode here is from 6 to 8 inches wide; we have commenced to rise over this level on this lode, for the purpose of drawing the ore ground at the western whim-shaft. At the western add two were still driving north. No. 2 lode, is the add level west, is 2 feet wide, having a promising appearance. The ground in the cross-cut in the add level driving north. No. 3 lode, is the add level west, is 2 feet wide, having a promising appearance. The ground in the cross-cut in the add level driving north. No. 3 lode, is the shaft sinking under the shaft and has been so for the last 2 fms.; this lode, in the shaft sinking under the shallow add, is 3 ft. wide, containing good stones of copper ore and tin, a very promising looking lode.

WEST GOGIN AN.—The engine shaft is again set to aink under the 15 fm.

containing good stones of copper ore and un, a very promising rooking rook.

WEST GOGINAN.—The engine-shaft is again set to sink under the 15 fm.
level, by nine men; the lode is 5 ft. wide, composed of gossan, mundic, lack, and spotted
with lead ore. The water is considerably decreased, so that we are able now to sink
comfortably without keeping horses in the whim more than six hours in 124. The north
ide in the deep adit level is just as last reported—6 ft. wide, with a very promising appearance. We have commenced cutting out timber for the new wheel, and shall begin
about the water course in two or three days.

WEST PAR CONSOIS.—At Sarah's shaft the plat is completed in the 40 fm. level, and the men are now cutting ground for the elstern, which will be fixed this day. The lift will be heaved in the clastern, and the rest of the plt work completed, by Tueslay next, when the men will resume sinking. At the Vounder, it will be necessary to open more upon the lodes before we can ruise the in any quantity. In the 20 fm. level we are driving on the Vounder lode east by six men, at 49s, per fathom; this lode is looking very promising at present, carrying a good leader of tin. We are atoping east by eight men, and west by eight men, at 29s, per fathom, a good leader of tin in each back; also driving a cross-cut south to cut the brown lode, which we expect to cut in the course of a week. In the 12 fm. level we are driving east on the brown lode by two men at 30s, per fm., and stoping the back at 12s, per fm. by two men; the tin is very fine in its nature; we have not proved its richness. In the 7 fm. level the pitch continues as last reported. Our new stamps are in course of rection, and the Vounder shaft sinking as usual. In the extensive new grant of land to the south and west, recently obtained, we have evidence of rich stones of copper having been broken from the back of a very fine lode, supposed to be Far Consols south gossan lode. If a small engine were erected on this part of the sett, quick and important returns might be expected.

WEST TAMAR.—The adit level is looking well. I found the men vester-

were erected on this part of the sett, quick and important returns might be expected.

WEST TAMAR.—The adit level is looking well. I found the men yesterday (April 23) breaking some fine work for lead from the end; and I would wish to call
the attention of the adventurers and capitalist to the report in the Mining Journal of last
week from the South Tamar Mine, and more particularly to the levels going south, which
are all improving, and have fine courses of ore as they go towards this mine (West Tamar),
where I presume we shall have nothing to do but sink down, and cut the same shoot of
ore. This new mine will bear rigid inspection, and I wish any party, before they engage
in it, to have it inspected by some practical man.

in it, to have it inspected by some practical man.

WEST WHEAL JEWEL.—In the 85 fm. level, west of Williams's cross-course, on Wheal Jewel lode, no lode taken down in the past week. The 70 west, when last taken down, produced stones of ore. The 57, west of Hodges's cross-course, on Tol-carn tin lode, is worth 81, per fm. The same level, driving east from cross-course, is worth 51, per fm. The stopes in the back of the 57 west are worth 301, per fm. The stopes in the bottom of the 12, east, are worth 101, per fm.; the stopes in the bottom of the 12, east, are worth 101, per fm.; the stopes in the bottom of the 12, east, are worth 231, per fathom. These stopes are working on tribute.

on tribute.

WEST WHEAL VIRGIN.—We have "fixed our 19 fms. of plunger-lift, and divided and cased down the engine-shaft to the 19 fm. level. We have not made much progress in driving east since my last; the lode is standing for 8 ft. behind the end, with as good an appearance for tin as ever it had. In the 19 west the lode is much improved in size and for tin. We shall still drive east and west of the engine shaft, and sink it at the same time, which will enable us to put more men to work, and then we shall raise more tin. On the whole, our prospects were never brighter than at present.

more tin. On the whole, our prospects were never brighter than at present.

WHEAL ADAMS.—The stopes in the 72 will produce 2 tons of lead per per fm. The rise in the western silven-lead lode is going on very favourably—rise in the past week 3 fms., the stuff from which has produced about 3 tons of ore, and the back is not deteriorated. The winze in the 60 is improved; the lode is large, and will now produce 2½ tons of ore per fm. We have suspended the 72 north for a few days, whilst we fix some necessary timber in the level south. In the 50 we have cut through the flookan, and find the lode poor. No alteration in the 60 north of new engine-shaft. In the rise it is improved. The stopes in the back, 10 fms. behind the rise, will produce 10 cwts, of lead per fm., and those in the 28 will produce 1 ton per fm. We have taken down the lode in the end, and find it 3 ft. wide, of rery promising character. It consists of sulphate of barytes, quarts, and about 1 ton of lead ors per fm.; the lode enlarges going north, becoming more metalliferous, and there is every probability of our finding a valuatic piece of lode before us. At Hill and Aller we have been timbering the levels. Mesars. Sims and Co's. 50 tons of ore were weighed off on Thursday, shipped on Saturday, and the vessel now at see.

WHEAL ARTHUR (CALSTOCK).—We are going on with driving the 20 fm evel as fast as possible, and are daily discovering good branches of copper ore, which also six men in the 50 fm. cross-at progressing towards the south lodes. I have also six men in the 50 fm. cross-at progressing towards the south lodes.

cut progressing towards the south lodes.

WHEAL AUGUSTA.—The engine-shaft is sunk 9 fms. under the 18 fm. level, lode small, with atones of tim. In the 18 fm. level east the lode is 2 ft. wide, in the ground; ditto west, the lode is 4 ft. wide, looking more kindly for tin. In the stepes west of shaft there is a good lode 10 fms. long.

WHEAL CREBOR.—The lode in the 54 is a large and kindly one, but at present poor for copper; it appears we are going over the junction in going west. The lode in the 40 is large, producing good stones of copper; a great quantity of water is saing from it; probably coming from another large cross-course, or lode, that is before m. We have weighed about 17 tons of the ore from the 54 to day; you will have the weighet and assays of the purcel. We shall sample on Friday.

weight and assays of the purcel. We shall ample on Friday.

WHEAL GOLDEN.—Thorne's 'Shaft: In sinking under the 77 fm. level, the ground is good—lode is in. wide, producing 18 cwts. of 'ore per fm.; in driving this level south, the ground is moderate—lode 10 in. wide, producing 12 cwts. per fm. In the stopes in the back of the 77 fm. level, south in ground is good—lode 10 in. wide, producing 12 cwts. per fm. In orth the ground is moderate—lode 9 in. wide, producing 6 cwts. of ore per fm.; ditto, south of the cross-cut, ground good—lode 2 ft. wide, producing 6 cwts. of ore per fm.; ditto, south of the cross-cut, ground good—lode 2 ft. wide, producing 6 cwts. of ore per fm.; ditto, south of the cross-cut, ground good—lode 2 ft. wide, producing 6 cwts. of ore per fm. In driving the intermediate level, under the 60 sonth, the ground is good—lode 1 ft. wide, producing 7 cwts. per fm. In driving the following for the following following for the following fol

the wines sinking under the 60 fm. level south, ground moderate—lode 3 ft. wide, producing 14 cwts. of ore per fm.—Maxwell's shaft: In the rise in the back of the 43 fm. level south, the ground is moderate—lode 1 foot wide, producing 6 cwts. of ore per fm.—The tribute pitches are looking better since last reported. WHEAL HAMLYM—Instead of driving east on the caunter lode we have commenced to drive north, where we hope to get at the east and west one much quicker. By driving in this direction we find the caunter lode to be 6 ft. wide, whereas we had but 3 ft. of it all the length in driving. We have new got 3 ft. in the north wall. Should the east and west lode underlay more than it does in other places, we may have 3 fms. to drive before we cut it; if not, we shall cut it in 6 ft.

WHEAL LANGFORD AND BARING UNITED .- We have taken down our alive lode in the north adit level, and broken about 3 cwts. of silver ore, but rather low in quality. Our new engine-shaft is progressing well; we have sunk about 3 fms. in which we discovered a caunter branch of gossam, of a beautiful character, about 8 in-wide, interspersed with yellow copper ore, of an exceedingly good quality, underlaying or dipping towards the Laugferd lode, which, in all probability, will enrich the latter at the junction, and, according to the underlayed present, will be about 5 fms. below the adit level. We have also commanced a cross-cut south from the adit level, to communicate with the new engine-shaft, and are making overy necessary preparation for commencing our engine and boiler-house with all speed.

mencing our engine and boller-house with all speed.

WHEAL MARY.—Wheal Mary Lode's "We have holed the vise from the 190 to the 90 fm; icrel, and have put in a new winking lift and rods, and commenced slaking the engine-shaft below the 190 fm; livel, on the course of the lede, which is about 8 ft. wide, composed of spar, munnic, and good atoms of one. In the 190 dm, level cast the lode is about 8 ft. wide, producing 2 tom of cearse ore per fm; west it is 4 ft. wide, composed of spar and case of one and letting go underwater. In the 90 ms.

week the lode is 3 ft. wide, producing about I ton of one per fm. We have again resumed ainking No. 2 winner, and Mear's shaft below the 80: the lode in Mear's shaft is 3 shet wide, producing about I ton of ore per fm. In the 80 west the lode is 2 fee wide, composed of spar and capel, and looking kindly. The 70 cast is suspended for the present, and the men put to rise in the back, to communicate with the winner in the 50, where we had a good bunch of ore: the lode in this rhe is about I ft. wide, compased of capel, mundic, and ore.—Parent Lode: In the 50 west the lode is 2 ft. wide, producing 1 ton of ore per fm., and looking kindly. In the 36 east the lode is 18 in wide, with atones of ore, and looking kindly. We have 12 pitches working at an average tribute of 10s. 6d. in 14. We sold on the 29th March 70 tons 8 cuts. 2 qrs. of copper ore, which realized 317. 6s. 8d., and on the 34th inst., we expect to sell about 74 tons.

WHEAL TREWANE.—I am happy to inform you that the lode in Caldecott's shaft is greatly improved; it is from 20 in. to 2 feet wide, producing good work, much botter than ever was broken here before. Our shaft is now 10 fms. 3 ft. below the surface. I think there is no doubt, when we get about 20 fms. below the surface to drive levels and to open on the lode, but that we shall have a paying mine.

surface. I think there is no doubt, when we get about 20 fms. below the surface to drive levels and to open on the lode, but that we shall have a paying mine.

WHEAL UNY.—We have several men engaged in clearing the rubbish, preparing to build carpenters' and saving house; we shall not want to build a smiths' shop, as there is a house here that will admit of being enlarged at less cost than building a new one. We intend working as economically as possible about the surface excitions. The men are getting on with the adit as fast as possible, but are not yet sufficiently advanced to let down the water. In consequence of the ground being soft, they are obliged to make the open catting very wide, to build a wall on each side and arch it over. We are happy to inform you, from the reports we have had from agents and miners engaged under the last company, that the prospects are very encouraging; they say that the lode in the bottom of engine-shaft has a very promising appearance, and the ground favorable for sinking. The lode in the shaft has altered its underlay, and has taken a more perpendicular direction, and is embodied in a fine stratum of ground, very congeniat to copper; they also state that all the levels going west have a very encouraging appearance, that in the 50 and 60 fm. levels there are good atones of copper ore, and in each of the levels west of the engine-shaft there is a well-defined copper lode. When the mine is in fork, our attention will be directed to sinking the engine-shaft, and extending the levels west to intersect the cross-course (which never has been intersected below the adit), where we have ample reasons to anticipate good results, as several hundred tons of copper ore have been raised at the shallow levels, to the wast of the shaft. We consider this part of the mine of itself to be a good speculation, exclusive of five side lodes discovered to the morth, three of which are within the distance of 100 fms. of old Uny lode, and all of the mof great promise on the backs. We would strongly r

WHEAL VENTON.—We have no material alteration here since my last communication. We have not yet cut through the lode in the north end, but find it large, hard and watery, containing spots of lead and much apar that is very congenial, for it. In the south end we have not yet cut the lode, but are driving through a soft civan auch as the best of the lode in the Trelawny Miso has been found in. From this, and either circumstances, I auticipate favourable results when we cut the lode.

as the best of the lode in the Trelawny Mino has been found in. From this, and other circumstances, I anticipate favourable results when we cut the lode.

WHEAL VINCENT.—The shaft is down 6 fms, below the 10 fm, level, and is inking by nine men, at 14: per fathom; during the last few fest, and as the shaft approaches the lode, the granite has become much easier; the western level, extending at 10 fms, below the surface, is driving at 11. 10s. per fathom by six men; the lode is of a variable character, and contains large courses of in ore; this tweel is extended 40 fms, and the eastern one is extended 23 fms., on the course of the lode—making, together, 63 fathoms, in which are developed very important courses of it in ground, and from the backs of which about 15 tons of tin have been raised of good quality; but in maning this, it must be borne in mind that a very small portion of the backs are available, as the ground above has been twice streamed, and is now under process a third time, taking a deep cutting into two parallel lodes which lay in this valley, thereby leaving a very little available ground, which is would be dangerous to rise on. Another disadvantage occurs from the streaming; and that is in flooding our levels at intervals to such an extent as to suspend all operations, and almost preclading the opportunity of our gatting down our new shaft to the 20 fathom level, but from what we have already discovered in the 10 fm. level, we may reckon on a considerable quantity of ore being raised in presecuting the 20 and 30 fm. levels, and from the similarity of the north parallel idee, and its proximity to this, we may reckon on the same results from it. These results, of course, cannot be obtained, unless a steam-engine for that purpose. The next batch of tin will go off the 1st May; it will be about 2 fms.

— April 23.—The lode in our west end, in the 10 fm. level, is about 2 ft. wide; pro-

will go on the 1st May; it will be about 2 tons.

— April 23.—The lode in our west end, in the 10 fm. level, is about 2 ft. wide, producing in, with two well-defined walls, and easy ground each side of it; also the ground in our new engine-shaft is much easier than it was. On the whole, circumstances at present are very promising. I am thinking to return our tin the 2d May, which will be about 2 tons, if I can stamp all the work.

## FOREIGN MINES.

ALTEN MINING ASSOCIATION .- Estimated produce for February :-

AUSTRALIAN MINING COMPANY.—[Monthly Report for December.]

The 20 fm. level, south from Anstey's engine-shaft, has been driven 3 fathoms towards Anstey's lode in November menth, and should the lode dip \$if. tper fm., which is my calculation, we have now 3 fms. remaining to be driven. The ground is much easier, and can be wrought for 20', per fm.; we are, therefore, likely to drive far enough to eat the lode this month, should the underlay be just as is supposed. In Phillipse's winze, sinking below adit, the lode is productive, and will ultimately be available for the stamping-mill, the quality of the ore belog very good. In the rise over the 10 fm. level, north of Stephen's winze, we are taking down Baker's lode, now standing entire under the footwall, which is 4 feet wide, spotted with yellow ore throughout, and like Phillipse's winze, is good work for the stamping-mill. In Wotton's shaft we sunk 2\$ fms. in Keysmber month, and the ground is now of the same charactor. At Traffagar Minethe is do in the bottom of shaft is about 9 inches wide, and turns out some good stones of red existe. My intention is to get 15 fms. deep, and to drive a level on the course of it, so there will be a much better chance of discovery than in a solitary shaft. At North Tungkillo the adit is being continued west to cut Alexander's lode, we have new sunk 5 fms., and have reached the water on the flookan part of the lode, and have new sunk 5 fms., and have reached the water on the flookan part of the lode, and have new sunk 5 fms., and have reached the water on the flookan part of the lode, and have new sunk 5 fms., and have reached the water on the flookan part of the lode, and have new sunk 6 fms., and have reached the water on the flookan part of the lode, and have new sunk 6 fms., and have reached the water on the flookan part of the lode, and have new floot calculated the new to cut into the main part of the lode, and have new strike 5 ms., and have reached the water on the flookan part of the lode, and have new stink 6 fms., and AUSTRALIAN MINING COMPANY .- [ Monthly Report for December. ]

COPIAPO MINING ASSOCIATION .- Dated Feb. 25, received April 25].

COPIAPO MINING ASSOCIATION.—I Dated Feb. 25, received April 25].
COPIAPO MINING ASSOCIATION.—I, Dated Feb. 25, received April 25].
Copyra Mynes—Creec.—In the 20 fm. level, east of Harman's shaft, we have a large doe, 2 feet of which is very rich, and consequently producing ore of superior quality. In the 12 we continue to vaise some very rich ore, from a lock 4 feet wide; the stope and the large of the stope in the back of the adit level is from 32 to 14 in. Wide, and for several fathoms high we have a good branch of ore of superior quality. I should like to see more work being carried on here, and hope shortly tohard two or three fresh hands employed. This mine is well worthy of further trial—in fact, it will over double pay for working, with the prespect of an early improvement.

La Corranta.—In the 18 fm. level, east of the shaft, the lode is from 3 to 35 ft. wide, composed of quarts; prian, and beautiful deposits of coated yellow ore, and it has every appearance of shortly becoming a large and rich bunch of ore. In the wines boldw the 10 (which is now down as fms., and from whence we intend at once to drive, to communicate with the above-named level) the lode is split, each branch is 1 foot wide, of fair quality ore; we have also another pair of the low entire to the north, which we intend at once to cut through, and from its appearance when last seen we may expect it to be good, the stopes in the back of the 10 continue to produce a good quantity of fair quality ore. This mine from the commencement has gone on gradually improving and 1 see no reason to alter my opinion which I gave as first—viz., of it becoming a fart-cleas mine.

La RERNA.—In the shaft now being sunk in this raine, I am happy it asy that the lode is alteriag; a some of the goosan is leaving, and beautiful stores of ore are to be seen formed throughout the entire lode; the winze also shows evident signs of becoming rich, and shappy to the continue of the contin

SILVER MINES—AL FIN HALLADA.—The different labores in this mine continue to yield ore of average quality, and more particularly so in the bottom, where the lode is 3 feet wide, interspersed throughout with white silver, and as we go on sinking it continues to levelope its riches. I think by the end of next month we shall have a large bunch of liver ore. In the north part of the mine things are looking much the same as when set reported.—Ore now on the cancha, about 6 cajones.

Sam Josz Dez Carren.—In this mine our operations are being carried on very satisactorily, although I sm sorry to say we have not yet discovered a rich "alcance," Still re continue to raise some low quality ore, and we are daily expecting an improvement; or to me it is quite against reasonly think, with such a back of silver as was here, but that should be found again below, and, consequently, we are now prosecuting our work rith spirit.

for to me it is quite against reason to think, with such a back of silver as was nere, but that it should be found again below, and, consequently, we are now prosecuting our work with apiric.

Mercapitas.—In the 25, west of the shaft, the lode is from 14 to 2 ft. big, composed of quartz, with thin plomas, and occasional stones of "metal frio"—the ground also about the lode is quite congenial for silver. In the 25, east of the shaft, the lode is 16 in. wide, and precisely of the same class as the one to the west. Also in the 25 fm. level being opened on the north-east we have a fine looking lode, and although at present spills into two branches, yet it gives good ore when washed in the "peruna"—the other parts of the mine are without alteration.

Carners Altzo.—In this mine we have nothing new; the lode in the 16 fathom level is 2 ft. wide, composed of quartz, prian, and clay, with very thin plomas, still not enough to pay for returning. In the chiffon, at present, the lode is small, yet the channel of ground is quite congenial for silver.

Santa Ana.—In sinking in the bottom of the mine we have a well-defined lode, 6 in. wide, producing a little silver ore; also, in driving the adit level north we have a pretty looking lode, 1 ft. wide, composed othely of quartz, with a small portion of silver; in this level we only want a cross branch to lead us to rich beneficios, for in every case thus far it has produced such a change.

Carners Ana.—Here i am happy to any we have a material improvement in the bottom of the mine. In the chifdon now being sunk below the 20 the lode is 2 ft. wide, composed of quartz, thickly interspersed with bismuthic silver mixed with roiseler; this ore, probably, as yet, is not of high ley, but in my opinion we are very near a large and lasting bunch of rich aliver ore. In the other labores the lode still continues gradually to improve—I believe this will be one of the best mines in the mineral.

Descusatora De Oro.—In this mine we still continue to raise some gold and copper ore: we have J

LINARES MINES.—The following has been received from Mr. H. Thomas Linares, April 12.—The engine-shaft (Santo Tomas) which has been reported to you Linares, April 12.—The engine-shaft (Santo Tomas) which has been reported to you as communicated to the 45 fm. level by a borer hole, has been fully opened, the connection corresponding with our dialling. We have cleared the 46, west of San Juan shaft, and have set the end to drive by four men, at 175 reals per wara, with a real per arroba for lead saved; this end is at present hard, and the lode poor: in the same level, east of Shaw's shaft, the lode is divided into branches, which are worth 12 tons per fatiom, but spare for driving. In the 50, east of San Anton winze, the lode continues very good, being worth 5 tons per fm., in a matrix of white calcareous spar, which prevails in the most productive parts of the lode in this mine. In driving about 5 fms. further east, we shall be in a position, by a short rise, to get to the deepest part of the old men's workings; and as the extension of the level will soon leave all these rich workings dry, we shall have laid open much product ve ground in addition to what is at present available. In the 50, west of San Anton winze, towards Wilson's shaft, the lode is very variable, and at present hard, with a small quantity of lead only; the closeness of the ground here has prevented the drainage of Wilson's shaft by means of this level. The tribute pitches are looking well, and bidding fair to realise the estimate furnished by Capt. Curry of the raising for April, 140 tons.

April 12, weighed in 30 tons 2 cwts.; total in stock, 865 tons 18 cwts.

ROYAL SANTIAGO MINING COMPANY .- [Received April 23.]

Cobre, March 16.—Yesterday I examined minutely the underground operations in the erseverancia. In the adit level is a large gossan lode, in several places of a promising aracter. The 10 fm., or deep adit level, has not so good an appearance as might be character. The 10 fm., or deep adit level, has not so good an appearance as might be expected to follow the gossan above. One shoot of good ore was passed through in this level, about 17 fms. in length, The lode in the end driving west is composed of mundic, quarts, and stones of ore, a small stream of water issuing from it. In the 92 fm level there is no improvement in the aspect of the lode; assivards it is small, near Thompson's shaft 12 ft. wide, and in the west end it is 2½ ft. wide, with a small leader of ore on the south side. The ore ground passed through in fit his level, about 10 fms. in length, is much inferior in quality to that above it, consisting for the most part of mundic and peach, with small branches of copper pyrites intersecting it in various directions. In the Perseverancia shaft, which is 9½ fms. under the 92 fm. level, the lode contains stones of ore, and is 5 ft. wide; it is 7 fms. behind the ore ground. I have suspended the stoping of the lode, now 4 to 5 fms. under the 22 fm. level, as by breaking down the mundic and ore together, as was being dome, it would not pay for extracting. Ferseverancia shaft will soon be completed to the 32, and opened westward under the ore ground. By working it from the back of the level we shall be better able to separate the ore from the mundic. We have commenced a new shaft about 46 fms. to the west of Taylor's, intended to intersect the Perseverancia lode about 30 fms. under adit; it is situated in the new leabelits.

Napelita.—Here also we have commenced a shaft directly over the winze, which is 10 fms. under the adit level. This lode, although without ore, has a fine gosan a feet wide, no underlie, the lode being a downright with regular walls; it has improved in appearance in the last two days. This lode has occasionally given atones of grey ore.

UNITED MEXICAN MINING ASSOCIATION .- [Received April 18.] ecuato, Feb. 28.—Misse of RAYAS.—The usual monthly report by Mr. Parkmar ed, to which I have little to add, as respects this mine. The returns for the month

Senciosed, to which I have little to add, as respects this mine. The returns for the month of Jan. show a profit of \$21,039 6 3.

Mine or Aldana.—The contracted speculative work which has been carried on in this mine shows a profit of \$21,039 6 3.

Mine or Aldana.—The contracted speculative work which has been carried on in this mine since Nev. having sailed to achieve either of the objects for which it was undertaken, it has been deemed prudent to discontinue it; \$75,000 has already been spent in reaching the vein, which has only since received the benefit of a partial exploration. The speculation will, in future, be continued on a very limited scale to the north, in the hope of meeting with such favourable indications as shall warrant extended operation. The speculation will, in future, be continued on a very limited scale to the north, in the hope of meeting with such favourable nature in the level of "Noche Buena."

The Mines of Jesus Maris and Trinidad present nothing worthy of report.

Mina Granze.—The ore is worked out to the north and south of St. Luis, but there are indications of a favourable nature in the level of "Noche Buena."

The following is a Report on the State of the Workings for February.

Rayas—Buscones.—The continued decline in the proceeds of the work of buscones can only be ascribed to exhaustion of those parts of the mine in which they are employed. Freste of Santo Triblo.—This work has advanced 931 vans, and is assuming a more promising appearance, having given some stones of good ore, particularly rich in gold. Workings in Ore.—In San Cristohal, San Cresence, and Santa Rosalis, the ore obtained consists of small threads, the produce being a small quantity of very fair ore. There is no change of moment in San Diego and Santa Isabel. In the contra cloid of La Purisima in the frente de Jesus, the improvement mentioned last month has continued, and has the greater probability of being germanent as the frontes are now entering that ground in which the main deposit of ore, if prolonged upwa

meantime, the cross-cut from the mine has advanced 10°30 varas, without any change th mentioning.

INA DE LOS TRIMADAD.—SAR Francisco cross-cut has advanced 7°19 varas, without further changes. The want of ventilation is the principal cause of the alow progress, rock is favourable. The working to the south, along a supposed branch of the voin through, is called "LE Atavitdad." and has advanced 9°21 varas. The present appeared of the end is more unpromising than even in last month, and will be suspended does not change.

INA GRANDE.—We have resumed the cross-cut of San Luis, in which 4°55 varas have does not change.

INA GRANDE.—We have resumed the cross-cut of San Luis, in which 4°55 varas have of driven; the object is to reach and cut through the principal voin, where it is amped to be untried. The post of San Luis had advanced 3°70 varas, and is suspended; or less very much declined. Since then herramientas have been employed to follow most productive springs of ore, but thus far with little success. The lovel of Noche has has advanced 7°30 varas, the over in this work had disappeared, but in the last has significantly and the post of La Bomba in last month, we have again commenced sisking, and have defended to the other work of the other transitions and be enabled to make a further trial in the di-lon of the old places, to ascertain whether our depth is sufficient to leave the old kings overhead. In the arrastic, after sinking 2°00 varas, we attempted to drive to north to effect a communication with the pool of La Bomba, but had advanced no driving to the south in the levels of the water, and have advanced 7°07 varas. It is be borne in mind that these workings of La Bomba and the arrastre are outside, and will be borne in mind that these workings of La Bornba and the arrastre are outside, and is the upper wall of the win, the rock there presenting circumstances favourable to the economical and rapid advancement of the works. We hope in the month now commencing to be enabled to test the principal vein in three distinct points by cross-cuts, and that the result therein obtained may improve the prospects of the mine.—S. P. Parkman.

# MINING NOTABILIA.

ROCKS AND TREVEREYN.—This sett is situate in the parish of St. Austell, Cornwall, and is held under a lease for 21 years, at a royalty of 1-20th, in 5000 shares, conducted upon the Cost-book System. They were taken by the present proprietors (30 in number), about 18 months since. The outlay to this time exceeds 28,0004. As regards machinery, there is not a mine in a more complete or satisfactory condition in the county, not a shilling owing; debts are strictly guarded against by a money payment, and it is satisfactory to be enabled to state that no further calls will be required from the proprietors. The sale of tin from September to the present time show a gradual increase from 7 to 18 tons a month, the last price for which realised 564. 10s. per ton. On the 30 fm. level, where a cross-cut will intersect the heart of the main lode; the last report states the shaft to be down 44 fms. of the distance. The system adopted in working these mines is highly approved of by the best judges; and no doubt is entertained, from the energy applied in every department, but that the mines will soon appear among the dividend-paying mines of Cornwall. The sales during the last quarter have been 89 tons 18 cwtr. Jqrs. 13 lbs., amon nting to 22034. 7s. 11d.

The Cockley Beck Copper Mine, Near Coniston.—A meeting of adventurers was held at Liverpool, on Tuesday, for the purpose of re-opening and working these mines; they were originally in the hands of a small and weak proprietary, whose perseverance was ultimately crowned by cutting into a body of solid copper ore, 18 in. wide, which realised 14!. Per ton, in the rough unwashed state, to Vivian and Sons. The water at this stage utterly overpowered all the petty appliances they ventured upon for its reduction; consequently, the mine was suspended, with a view to obtain more wealthy proprietors, prepared to encounter the necessary outlay for the due prosecution of the works. Such was the favourable result of the inspection, that three-fourths of the mine (being the number of forfeited shares) were immediately taken up by parties with ample means and resolution to meet the difficulty. At this meeting the constitution was remodelled; a call of 20s. per share made on 1000 shares; and Capl. John Boundy, late of Wheal Ellen, appointed to the management.

West Polegoote.—We understand this mine will be fully set to work in the course of next week, some of the members of the committee of managements being about to proceed to Cornwall to make the necessary arrangements. An engineer of experience is to be appointed forthwith. The expectation in the neighbourhood of the mine is very consident as to this turning out a good one, from its being on the same lodes as those of Great Polgooth and Hewas. It is expected that a few fms. more only will have to be sunk before a course of ore is met with.

Calstock United Mines.—The steam-engine was set to work on these in the course of the director four London and a large

of ore is met with.

CALSTOCK UNITED MINES.—The steam-engine was set to work on these mines on Monday last, in presence of the directors from London and a large party of the shareholders and friends. The engine has been made to order at the Bedford Iron-Works, and will drive upwards of a hundred heads of stamps. After visiting the different parts of the mine, and examining the several lodes, the party assembled in the count-house to celebrate the starting of the engine, whilst the men employed in the mine, about eighty in number, were regaled with a substantial dinner in the carpenter's shop. On setting the stamps to work they were named, in the presence and amidst the cheers of the company, the "Bentinck Stamps," in honour of the great advocate of home industry, the late Lord George Bentinck; in the doing which Mr. Mitchell, the chairman, referred in appropriate terms to the great zeal and indefatigable exertions of the noble lord in support of native labour and the employment of our own workpeople. The gentlemen present expressed themselves highly pleased with the appearance of the mine, and the proceedings of the day.

A great improvement has taken place in the Buckfastleigh district, Devon-

with the appearance of the mine, and the proceedings of the day.

A-great improvement has taken place in the Buckfastleigh district, Devonshire. In the old mine a favourable channel of ground has been met with in sinking, which has much improved the lode; and some fine stones of copper have been broken from the bottom of the sink. We had long hoped that the persevering parties who have been carrying out this work would be amply rewarded; and we are much pleased to find that the district is now likely to turn up some good copper mines. Another discovery, in the same neighbourhood, has been most favourably reported upon by Capt. Seccombe of the Phomix Mines, and other agents, during the last week, which has caused the Maccleadeld Copper Mine to start afresh, with influential and business men in their managing committee; and we have reason to expect that there will be bond fide mining, with profitable results.

We understand a most important discovery has been made in the St. Start

fide mining, with profitable results.

We understand a most important discovery has been made in the St. Stephen's granite, at no great distance from Mineral Court Mine, of grey copper ore in immense quantities—the lode in the adit end, which is about 30 fathoms deep, being 24 ft. wide, of vast recks of grey sulphuret of copper, black oxide of copper, and sulphuret of tin. The former workers, at an earlier period of mining, seem to have considered all, except the tin, as waste or attle, and hundreds of tons of grey ore are now lying about at surface, and even built into the adjacent hedges for a length of 400 fms. along the course of the lode. The ore has been assayed by different parties, and there is no mistake as to its quantity or quality. This important discovery will render the St. Stephen's granite as celebrated for mineral produce as that of Caradon, Gwennap, Redruth, or Camborne.

There are several mines being put to work in the neighbourhood of Oke-hampton, one of which is Ivy Tor, and I think, from appearance, it will prove a very good speculation. They have already cut two lodes, one of which is very promising, about 6 ft. wide, orey throughout, with 2 ft. on the north part good ore, which they are now working on.

CALIFORNIAN GOLD-MAGNIFICENT SPECIMEN.-At Professor Tennant last lecture upon Mineralogy, at King's College, he exhibited, by permission of H. J. Prescott, Esq., and W. Marshall, Esq., governors of the Bank of Englandthe largest lump of Californian gold yet brought to this country. It was dug ont of an alluvial bank at Carson's Creek, on the Stanislaus river, in August 1850, by an Irishman, named John Hughes, of Ardglass, near Downpatrick It is a water-worn specimen, and weighs 18 lbs. 3 ozs. 8 grs.; and its value as a specimen is about 1000!—It is the property of the Bank of England.

A specimen is about 1000l. It is the property of the Bank of England,

Mining in South Australia.—Adelaide papers of the 16th Dec. quote Burra Burra Mining shares 211l., cash; Princess Royal, 17l. At the annual meeting of the Wheal Maria Mining Association, on the 5th of December, favourable reports were read from Captains Rodda, Pascoe, and Simmons, as to the future prospects of the mine, though there are little present indications of copper. Messrs. La Vence, Morris, and Phillips, were chosen directors in lieu of Mr. Roberts, ont by rotation, and Messrs. Fisher and Daw, diaqualified. A proposal by the directors to provide steam-power by increasing the capital from 5000l. to 15,000l. was referred to a special meeting to be called for the purpose. Wheal Maria shares, 5l. paid, were quoted at 2l. The rate of money for loan upon freshold property varied from 12s to 15 per cent. One or two new mining companies had lately been started, and the shares were just being issued. Discounts were ruling from 20 to 30 per cent. per annum. Wheat was selling at 3s. 6d. per bushel; fine flour, 10l. 10s. per ton.

From Western Australia, we learn that orders had been dispatched to England for the mechanics and materials requisite for smelting operations, with a view to rendering the produce of the Geraldine Mine available for exportation. A contiguous copper lode was still in the possession of Government, his Excellency and the colonists being unable to come to terms respecting it.

"Franklimpte."—A letter from New York says:—"It is estimated that the New Jersey Mining Company have at least 200,000 tons of red zinc ore in their mines, above water level. Besides this zinc ore, of which no other deposit is known to exist in this country, the company own a vein of 'franklinite,' estimated to contain 300,000 tons. This 'franklinite' possesses the peculiar and valuable property of converting common bog iron ore into an iron suitable for all purposes of manufacture requiring toughness, which would be worth \$60 to 570 per ton."

Prof.

Prof. Page's electro-magnetic locomotive made a trial trip, last month, on the Washington and Baltimore Railroad. The locomotive weighed 10½ tons, out ran only 10 miles an hour.

We understand that the Ketley Iron Works at Kingswinford have been leased to Mr. B. Gibbons, who has put them in a thorough state of repair, and two out of three furnaces are expected very shortly to be in blast, thus employing

a number of hands.

BARTONHOLM COLLERY.—The drainage of this colliery, for some time in operation, is now getting rapidly forward. On Friday, the 11th instant, the workings of the highest seam were reached, containing what is called the five quarter coal. Mr. Moffat, C.E. (Ardrossan), and Mr. Thompson (manager of the Eglinton Iron-Works), went down with Davy lamps, ransacking the various rooms, so hurriedly left a good many years ago by the colliers, for their safety, from the Garnock river suddenly breaking in upon them. The workings and stoops were all found right, with the exception of an inconsiderable fall of part of the roof. In a short time the lower seam, by the drawing of the water going on, will be also reached; and the old valuable work, with its much-prized coal, set agoing at no distant period. The water will be, no doubt, overpowered, the course of the river being now entirely removed from it.

overpowered, the course of the river being now entirely removed from it.

THE SOUTH STAFFORDSHIRE COAL-FIELD.—In a lecture on "coal formations," Mr. H. Beckett expressed his belief, founded or professional surveys, that the South Staffordshire coal-field is not confined to its present supposed limits; but is connected with the Warwickshire, now working in the outcrop, at Bedworth and other places; as also with the Shropshire, Denbigshire, Flintshire, and Lancashire fields. Of course it would be premature at present to sink in the intervallum, where the depth would be great; and he had recently discountenanced a continuation of borings in Leicestershire, which had been carried down upwards of 200 yards in the gypsiferous marls.

GUTTA PERCHA IN MINES.—In addition to the variety of uses to which this material has hitherto been applied, it has now become the miner's friend, by supplying him with cap, speaking-tube, hogar pipe, syphon, and a tube for ventilation.

ventilation.

THE ELECTRIC TELEGRAPH—SOUTH WALES RAILWAY.—It is intended immediately to establish the electric telegraph upon this line, and to continue it (when the line shall be opened so far) from Gloucester to Milford Haven. The secretary to the British Telegraph Company has this week been down at Swansea to make the required proliminary arrangements. This will be a most important step for the commercial interests of South Wales. By this means vessels striving at Milford will be amounced on the Royal Exchange within five minutes after their being signalled.

vessels arriving at Milford will be announced on the Royal Exchange within five minutes after their being signalled.

IMPERIAL SALT AND ALKALI COMPANY.—Yesterday, the first meeting to settle the list of contributories, brought in by Mr. Turquand, the official manager, for whom Mr. C. L. Webb appeared as counsel, was held before Master Tinney. The liabilities are alleged to amount to little short of 100,000l, but a very large proportion of them are disputed; and it is stated that the company's property and plant at Stokewitch, near Worcester, will realise considerable assets. A few cases only were settled.

## LATEST CURRENT PRICES OF METALS. LONDON, APRIL 25, 1851

Bar, bolt & square, London   .25 7 6-5 10     Nail rode   .26 6 8     Hoops		
is.; e, 6 months, or 2 per cent. dis.; f, ditto; g, ditto; h, ditto; f, ditto; k, net cash; 6 months, or 3 p. ct. dis.; m, net cash; n, 3 months, or 1 p. c. dis.; o, ditto, 1 dis.;	Bar, bolt, & square, London	Old copper   per lb. 84d

\*\* Cold-blast, free on board in Wales. † Dis. for cash in 14 days, 10 per cent.

Welch Bar-Iron is not quite so firm; the last advices from New York brought much lower quotations, caused by large speculative parcels having been forced into the market; the demand, however, for rails, on American account, continues great, and this circumstance must tend to keep the price of bars from giving way very materially.

Statyformalizat Ison.—A large local trade is doing. But little business for shipment; the last accounts from the Indian presidencies were very discouraging to shippers.

Scotter Pro-likon is firm: several parcels have changed hands on speculation: The shipments from Glasgow from 1st Jan. to the 14th April, 1851, 135,000; showing an increase in 1851 over 1850 or and from 1st Jan. to 14th April, 1851, 135,000; showing an increase in 1851 over 1850 or and from 1st Jan. to 14th April, 1851, 135,000; showing an increase in 1851 over 1850 or 1850 over 1850 or 1850.

Swedish Iros is in moderate demand.

Copper.—A fair business doing.

Yallow Metal Sheathins is in good request.

Bartish Tirs idual of sale, especially common. The export is unusually small.

FOREIGN Tirs is dull of sale, especially common. The export is unusually small.

FOREIGN Tirs is dull of sale, especially common. The export is unusually small of the week at \$11., without inding buyers.

Spelikes.—Not any transactions have transpired this week; there are buyers at 14th 17s. 6th, sollers at 15th. The last accounts from India were more encouraging, and the native houses were turning there attention to the article, the stock in France is unusually small, and by the accounts from Hambro' and Stettin, quotations were firmer.

Lead is in good request; the United States and China are taking large quantities.

Tirs-Laxts may be bought on easier terms.

GLASGOW, April 24.—A large business is doing in pig-iron for shipment, and also to some extent in speculation, as it appears the general impression that prices will not be lower, and as the demand is increasing so much, and the stock now diminishing, a rise in prices may take place. Mixed Nos., good brands, free on board here, 4 is. per ton; No. 1, ditto ditto, 41s. 6d.; No. 1 Gartsherrie, ditto ditto, 42s. 6d. Net cash against immediate shipment—Bars, 5t. 10s. to 5t. 15s., 4 per cent. dis. for cash.

## COAL MARKET, LONDON. PRICE OF COALS PER TON AT THE CLOSE OF THE MARKET.

PRICE OF COALS FRE TON AT THE CLOSE OF THE MARKET.

MONDAY.—Bate's West Hartley 13 6—Buddle's West Hartley 14 3—Redward's West Hartley heterton 14 3—Longridge's West Hartley 14 3—Redward han 13—Tamfield Moor Butes 13—West Wylam 13—Wylam 13 3—Wall's-End Brown 13—Eden 14—Gosforth 14—Harton 14—Hilde 13 3—Reddell 13 9—Walker 13 6—Wharken 16 6—Harwell 15 6—Kepier Grange 15—Lambton 15 3—Richmund 14 6—Resell's Hetton 15 3—Scarborough 14 3 3—Stewart's 15 6—Whitwell 13 9—Hartlepool 15—6—Heagh Hall 14 6—Kelloe 15 6—South Helloe 14 6—Whitwell 13 9—Hartlepool 15 6—Heagh Hall 14 6—Kelloe 15 6—South Hartlepool 16—South Kelloe 14 6—Whitwell 14 3—Ships at market, 155; sold, 93. WEDNESDAY.—Bate's West Hartley 13 6—Cowpen Hartley 14 3—Ships at market, 155; sold, 93. WEDNESDAY.—Bate's West Hartley 13 6—Buddle's West Hartley 14—Chester Main 13 9—St. Hartley 13 3—West Hartley 13 6—Reddell 13—Revensworth West Hartley 14—South Peareth 11 6—Tanfield Moor 13—Tanfield Moor Butes 13—West Wylam 13—Wylam 13 3—Wall's-End Brown 13—Bewicks and Co. 13 9—Gosforth 13 9—Heddley 13 6—Feareth 13 6—Riddell 13 6—Eden Main 14 3 to 14 6—Braddyll 14 9—Hetton 15 3 to 16 6—Haswell 15 6—Wintwell 13 6—Hough Hall 14 6—Kelloe 15 3—South Kelloe 14 6—Thorniey 14 6—West Kelloe 13 6—Whitwell 13 6—Gowpen Hartley 14 6—Langennech 20 6—Ships at market, 166; sold, 55.

FRIDAY.—Buddle's West Hartley 14—Howard's West Hartley Ketherton 14—Ravens-FRIDAY.—Buddle's West Hartley 14—Howard's West Hartley Ketherton 14—FRIDAY.—Buddle's West Hartley 14—Howard's We

Ships at market, 106; sold, 55.

FRIDAY.—Buddle's West Hartley 14—Howard's West Hartley Netherton 14—Ravensworth West Hartley 14—South Peareth 11—Tanfield Moor 13—Tanfield Moor Bute's 13—Wall's-End Harton 13 6—Heaton 13 9—Heddley 13 6—Northumberiand 13 3—Eden Main 14 3 and 14 6—Lambton Primrose 14 6—Braddyll 15—Haswell 15 6—Kellee 15 6—Kellee 15 3—South Kellee 14 3—West Kellee 13 3—Wattworth 12 6—Adelaide Tees 14 9—Seymour Tees 13 6—South Durham 13 9—West Cornforth 13 6—Derwentwater Hartley 14 4—Hartley 14 9—Llangennech 20 6—Nixon's Merthyr and Cardiff 21—Sidney's Hartley 14 3—Wigan Cannel 22.—Ships at market, 109; sold, 41.

# CORNISH STEAM-ENGINES.

The number of pumping-engines reported for the month of March is 26—the quantity feeds consumed being 2420 tons, lifting, in the aggregate, 21,000,000 tons of water 10 athoms high—the average duty of the whole is, therefore, 50,000,000 lbs, lifted I foot high y the consumption of a bushel of coal.—The following have exceeded the average:—

Mines.	Engines.	Length of stroke	Load in pounds.	Load per sq. inch on pist.			Millions lifted I foot by consump. of a busis.com	
Great Work	Leed's 60-in	9.0	55,343	15.2	8.7	2404	56-8	68
	36-inch	9.0	30,527	23.1	11.4	1762	51.6	62
	70-inch	10.0	56,983	11.8	5.2	1886	510 A	61
Carn Brea	Sims's 50 & 90	9.0	51.125	20-2	5-4	1486	152-7	63
Poldice	Sima's 85-inch	10.33	78,207	9.6	11.5	4553	548	
S. W. Frances	75-inch	11.0	61,836	11'4	6.4	2256	66-6	79
United Mines	Cardozo's 90-in.	9.0	100,682	13.8	8:9	5428	54.7	65 79 65
Ditto	Eldon's 30-inch	9.0	13,631	16:0	814	574	63.0	75
Ditto	Loam's 85-inch	10.0	87,947	11.6	9.8	4709	54-1	64
Ditto	Hocking's85-in.	10.0	97,817	14:4	9.1	5300	56.4	67
Tywarnhayle	Gardiner's80-in	10.0	80,272	12.7	8.4	3768	57:0	68
	Penrose's 70-in.	10.0	79,181	18.5	4:8	2772	51.5	61
Ditto	Michell's 85-in.	10.0	81,815	13.0	4.0	2014	59:5	71

# ACCIDENTS.

Dudley.—J. Ennis, aged 12, was killed while working at Messrs. Bagnall's bronatonepits, at Tividale.

J. Burn was killed by a fall of coal at Messrs. Badger's pits, at Old Hill.

West Bromeich.—John M'Can was killed by a fall of roof.

Bradfield.—John M'Can was killed by a fall of coal in the Damfiask Colliery

Willenhall.—Wm. Murral was killed in Mr. Philip Williams's coal-pit, at Mabb's Bank,
by an explosion of fire-damp.

by an explosion of fire-damp.

Figshire.—A fatal accident happened at one of the colliery engines, at the back of Kirkaldy, to Robert Pratt, the worker: while firing the furnace, one of the plates of the coller-right above his head—burst, and he was literally boiled to death.

Wigen.—S. Dawber was killed by an explosion of fire-damp at Mr. Rylance's colliery Wigan: he had been working with a naked candle, though cautioned not to do so.

Pemberion.—H. Liptrot was killed by a fall of roof at Mr. Samuel Stock's Colliery.

witch \_R. Preston was killed while working in the Bradley Coal Mines. Ystaiyfera .- L. Llewelyn was sadly injured by a fall of roofing in the Wernfach pit.

Falsiylera.—L. Llewelyn was sadly injured by a fall of roofing in the Wernfach pil.

"Another Boiler Explosion.—On Treaday last an explosion took place at Seaton Engine,
on the Durham and Sunderland Branch Railway, which blew a boiler to a distance of 70
yards from its seat. A youth, named Farrow, was severely scalled.

Colliery Explosion mear Woodhouse Mill.—An explosion of fire-damp at the Fence Colliery caused the death of James Cheetham, and seriously injured Charles Gregg. Soon
after the explosion the pit was examined by Mr. C. Morton, the inspector of collieries,
who says that no artificial means, which were greatly needed, had been used to ventilate
the pit. It had been stated at the inquest, that in the particular board near the place
where the accident happened, a tarpauling sheet had been suspended for three weeks for
the purpose of directing the current of air into and through the bank where the Sire-damp
exploded. It was injudicious and unskilful to allow so poor an expedient to do the duty
of a door for so long a period: if a door had been so fixed, fin all probability the accident
would not have occurred. Mr. Morton concluded by stating, that he had some satisfaction in finding that Measr. Charlesworth, the workers of the colliery, were carrying out
the suggested improvements for the ventilation of the pit; but at the same time he could
not refrain from observing, that, in his judgment, the experience and competency of the
underground steward, who is the superintendent of the mine and the workpeople therein,
are inadequate for the duties of his office.—She field Times.

# MINING APPOINTMENTS DURING THE WEEK.

APRIL 96. Pay at South Frances, North Roskear, Condurrow, Wheal Setton, Tywarnhayle, Trethellan, Grambler, Copper Bottom, West Aifred, Callington, and 28. Trelsway special meeting on the mine.

19. North Pool account on the mine.

30. No copper ore sampling this week.

May 1. Tekenting at Camborne—Throrft and other mines.

2. Pay at Carn Bres, South Basset, Tincroft, East Pool, and Wheal Ellen.

3. Pay at Devon Consols, Par Consols, Perran St. George, Polberre, Stray Park, Dol coath, West Wheal Jewel, Trannack and Bosence.

# Current Prices of Stocks, Shares, & Metals

MINES.—Influenced by the holidays, which commenced the latter end of last week, and extended into the present, the business in shares has been limited, and in dividend mines in particular; but we have reason to believe that more in amount has been done in speculative mines, whatever may be the proportions the former are supposed to bear, or should bear, to the latter. On the other hand, several recently-introduced concerns, with largely-promised favourable results, and heavy sums asked as premiums, do not find their shares readily taken, from which we may augur increasing caution on the part of the capitalist, and hope for its continuance, as it is only by excessive vigilance on the part of purchasers that the present disposition to invest in speculative mines can be attended with successful results.

In the Metal Market, Copper is in second of the commence of the latter and the part of the capitalist.

Coessiul results.

In the Metal Market, Copper is in steady demand.—Lead brisk, with good foreign orders.—Tin very dull: quotations nominal.—Tin-plates

good foreign orders.—Tin very dull: quotations nominal.—All plane again given way.

The sampling this week at Wheal Buller, Redruth, amounted to 400 tons. The ticketing on Thursday last was for 183½ tons of fine copper. The average produce was 7½, and standard, 103. 9s.

Georgia Consols sold, on the 16th inst., 3 tons 7 cwts. 3 qrs. 15 lbs. of the ore, amounting to 172. 16s. 6d.

Rocks and Treverbyn sold, on the 17th inst., 14 tons 8 cwts. 0 qrs. 11 lbs. of tin ore for 774. 11s. The agent adds:—"We hope to make the next the crowning sale of the whole. The mine looks well, as will be seen from the reports from the eastern part."

Wheal Trelawny sold 100 tons of lead ore, at 21l. 12s. per ton.

Mineral Court sold four parcels of tin, at 56l. 10s., 44l., 48l., and 16l.

Mineral Court sold four parcels of tin, at 56l. 10s., 44l., 48l., and 16l. per ton respectively.

The biddings for 50 tons of Glenmalur (Ireland) lead ore varied from 8l. 13s. by Eyton, to 10l. 5s. 6d., by Sims, Willyams, and Co. Court Grange sold 55 tons of silver-lead ore, at 15l. 15s. 6d. per ton. The ticketings for 100 tons of Newtonards lead ore varied from 8l. 8s. 6d., by Thomas Somers, to 11l. 2s. 6d., by Sims, Willyams, and Co. Callington Mines sampled 45 tons of lead ores on Monday last. The reports from the mine are assuming a more favourable tendency again. Among the arrivals at Swansea have been 735 tons of copper ore from Cuba; 120 tons from France; and 115 tons from Algiers.

We learn from Truro, that Mr. Pryor is actively engaged in the purchase of shares in the United Mines; and that he has obtained transfers of a considerable number, which ensures the continued workings of that important concern.

We learn from Turco, that Mr. Proro is actively engaged in the purchase of shares in the United Mines; and that he has obtained transfers of a considerable number, which ensures the continued workings of that important concern.

A respected correspondent at Redruth furnishes us with the following as the present prices of mining materials, which are now at a very low rate:—Norway balk (since one moiety of the duty is off) is reduced to 8d. per foot; powder, 34s. per 100 lbs.; common bar iron, 5s. 6d. per cwt.; analls vary as to size from 18s. to 17s. per cwt.; candles, 4s. 5d. per foot, ba; tallow, 38s. to 40s. per cwt.; produced to 8d. per foot; powder, 34s. per 100 lbs.; common bar iron, 5s. 6d. per cwt.; bend leather, 1s. 9d.; Buffalo butts, 10fd. to 1s. 2d. per lb.; siecl., 22s.; bilstered, 3st. to 42s. per cwt. best. Men's wages vary; some get only 40s. per month. but good men will get 5os. and upwards.

At Condurrow meeting, on Monday, the accounts showed—Copper, tin, and arsenic sold, 1984. 12s. 9d.; sandry receipts, 24d. 5s. 9d. = 2008(1.8s. 6d.—Labour cost. for February and March, 1287.7 s. 5d.; merchants bills, 5621. 3s. 2d.; lord's duese, 991. 4s. 8d.; showing profit, 280. ds. 3d.; from which deduct balance last account, 2712. 6s. 9d.; leaving to next account, 81. 16s. 6d. The sump-shaft has been holed to the 100 fathom level, and Woolf's to the 50; at the former there is a change in the lode for the better, with less underlie. In a winze sinking upon Roberts's lode, 8 fms. below the 80 cast, where they have a good course of tin all the way, the lode is 4 to 5 ft. wide. The 80 west is also in tin ground. The 70, near to Woolf's shaft, yields some bunches of rich grey copper ore, which indicates well for the under levels. The backs continue to yield an average quantity of tin and copper ore, and as there is no sinh in the tutuwok department, the chances of success are great.

At Wheal Franco and Roborough Consols meeting, on the 16th inst., the accounts showed—Froduce of copper ore sold from July, 1850

costs and merchants bills, 2714. 5s. 6d.—3514. 11s. 2d.—By ores sold less dues), 8l. 10s.; three calls, 3000l.: leaving balance against adventurers, 506l. 1s. 2d.

At South Plain Wood meeting, on the 16th inst., a call of 5s. per share was made, and it was resolved that Mr. Adam Murray, jum, be appointed to inspect the mine, and report to an adjourned meeting, on the 30th inst., on the past works, the present state and future prospects.

At the Duke of Cornwall meeting, on the 15th inst., tenders were received for the engine and other erections, which were decided on, and directions given for immediately proceeding with spirit, it being their determination to give the concern an effectual and energetic trial, without regard to share jobbing in the market, the mine having been inspected and strongly approved of by scientific and practical men, who express but one opinion—that there must be abundance of ore in depth.

At Cefn Gwyn Silver-lead Mine meeting, on Wednesday, a complete and effectual change in the management took place. We refer our readers to the prospectus in our advertising columns for general particulars, merely observing that the financial arrangements made for the future delegate the power and control thereof to the care of trustees of great respectability, and the charge of managing the working department of the mine is to be continued in the hands of Capt. Sampson Trevethan, a highly-talented mine agent from Gwennap, who has had great experience in the management of lead mines, and whose report accompanies the prospectus. He entertains the best opinion of the concern, and under his judicious control favourable results may be sanguinely expected. The operations have been progressing for two years past, and at a considerable outlay, but further capital being necessary for the erection of a crushing machine and other requisite machinery and materials, labour, &c., the shareholders have determined to increase the number of shares from 2500 to 5000, of which they retain and purpose carrying on 2600;

col-oon ies, late lace for imp luty lent fac-out ould the rein,

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At Wheal Daniel meeting, on the 17th instant, the accounts showed—Costs from June, 1850, to end February, 1851, 2248. 11s. 2d.—By calls, 2000.; lead ore sold, 9l. 8s. 11d., leaves balance to next account, 239l. 2s. 3d! At South Wheal Rose meeting, on the 4th inst., the secounts for inne months, ending March, showed—Balance from last account, 7l. 10s.; mine costs and merchants' bills, 202l. 14s. 8d. —210l. 4s. 8d.—By calls received, 96l.; sale of ladders, 1l. 10s.; leaving balance against the adventurers, 112l. 14s. 8d. A call of 1l. per share was made.

An advance, equal to 10 per cent., has taken place in the shares of the Mining Company of Ireland.

At Tyn-y-Worglodd slate quarry, a valuable discovery of chloritic slate, at the extreme southern bounds, has just been made, from which important results are anticipated. The letter communicating the discovery states that directions have been given to have it opened immediately; and as the kind of slate referred to sells at high prices, the returns from the quarry will be very considerably enhanced in consequence.

We understand that four of the principal shareholders in Wheal Langford and Baring Mines have just returned from a personal inspection of that promising undertaking, bringing with them rich specimens of silverlead and copper ore, broken with their own hands underground. They entertain great expectations from a recent discovery of a copper lode pointed out to them by Capt. Knott; and having returned highly gratified with the result of their visit, they have made considerable purchases in the shares, and, as we understand, at advanced rates.

Transactions have taken place in Mary Ann, Trelawny, Bedford, South and East Tamar, East Gunnis Lake, Tregorden, Garreg, Black Craig, Alfred Consols, Gustavus, Heignston Downs, Herodsfoot, Wheal Venton, South of Scotland, South Tolgus, Tincroft, and Wheal Trewane.

In Foreign shares business has been done in St. John del Rey, Copiapo-Australian, and United Mexican.

From the Australian Mining Company's report for Dec

Australian, and United Mexican.

From the Australian Mining Company's report for December, we find that the ground has improved in the 20, at Anstey's—the end driving at 20\(lequip per fm.\). The ore in Phillips's winze is yielding well, and the quality very good. At North Tungkillo they are driving west, to cut Alexander's lode—ground easy. The shaft is down 8 fms. under adit—lode large and promising. Baker's Mine has proved hard ground throughout, though 2000 tons of ore have been obtained from it. Circumstances have compelled them to reduce the number of labourers to 30 on tutwork, and 12 on tribute. This is much to be regretted.

From Alten, we learn the prospects are very wavering at Raipas, and

promising. Baker's Mine has proved hard ground throughout, though 2000 tons of ore have been obtained from it. Circumstances have compelled them to reduce the number of labourers to 30 on tutwork, and 12 on tribute. This is much to be regretted.

From Alten, we learn the prospects are very wavering at Raipas, and the ground disordered. The 30 is driving to effect a communication with Monk's shaft, and when this is accomplished matters may assume a better aspect than at present. At United Mines they have an improvement in the 40; greater returns are expected from this part. The tributers are making favourable progress. At the Old Mine the general appearance is cheering, and the produce much better: they expect to hole the shaft in May, and explore the lode deeper, which appears to improve as it deepens, the natural conclusion is, that when they get down, increased quantities will be the result of operations in that quarter. Altogether, they are looking quite equal to what they have done for some time past.

At Linares the Santo Tomas shaft has been communicated to the 45 fm. level. The 50, east of San Anton winze, is worth 5 tons per fm., in a fine and favourable matrix, likely to yield quantities of ore. They are getting into more productive ground eastward, and the returns will increase considerably in a few weeks time. The tribute pitches are looking well, and Capt. Curry's estimate of April raisings, 140 tons, now certain. Weighed in, 12th inst., 30 tons 2 cwts.; total in stock, 855 tons 18 cwts.

From Santiago Mines, we learn that Perseverancia shaft is down 9½ fms. below the 22. Until it is communicated to the 32, and opened westward some little distance under the orey ground gone down from the level above, much cannot be expected, as the higher levels appear to yield but little produce. At Angelita, they are sinking a new shaft on the course of a downright lode, 3 feet wide, which assumes a more kindly appearance, yielding occasionally some good stones of grey ore.

From the United Mexican Mines, we learn

Some of the veins are of, the produce of 200 and 300 marks to the cajon, and others of even 800.

At the Blaenavon Iron and Coal Company's annual meeting, yesterday the accounts showed a gross profit from the sales made during the year of 10,0581. 3s. 8d.—Discount and bankers' charges, 42231. 8s. 3d.; interest on mortgage, 9124. 9s. 5d.; on debentures, 36621. 2s. 9d.; current expenses, 617l. 10s. 11d.: leaving a net profit of 642l. 12s. 4d., which, added to the profit and loss of Dec., 1849, 1660l. 3s. 3d., makes 2302l. 15s. 7d. to go to the next account. During the last 33 weeks of the past year, only three out of the five furnaces have been in blast, in consequence of the slackness of trade, exhibiting a diminution in the make of about 2000 tons. A portion of their coal-field had been underlet at a fixed rental of 650l. per annum for the remaining term of the Blaenavor lease. The smu of 4765l. 16s. 4d. had been laid out during the year in important improvements in roads, new pits, inclined planes and machinery, fitting up shop, &c. The make of pig-iron has decreased, in consequence of the small profit to be derived from it; that of best iron has increased, as the profit is greater. When trade revives, the works will be in a situation to produce an additional make at a lower rate of cost, suitable for every purpose; and, in the meantime, be employing the workmen at a living price to all, and keep the balance on the right side of the account. The expected opening of the railway from Hereford to Abergavenny would give them an opportunity of delivering iron into the interior of the country, and prove otherwise advantageous. They could deliver coals at \$d. a ton less than any of the other surrounding works. The mineral property extended over 12,000 acres. There was evidently a gradual improvement in the property, and better prices would, it was hoped, soon be obtained.

HULL, Trushara.—Mesers. T. W. Fint and Co. state that the market for mining the tent of the country to the faster helifas at the contraction of th

HULL, TRUEBDAY.—Mesers, T. W. Flint and Co. state that the market for min shares has been rather devoid of animation during the week, owing to the Easter holid The chief feature is an enquiry for Tregorden. Tremayne's and Alfred's are in ste but no letzet request; Lewis are offered at 22. Altogeth r the amount of business of a unimportant.

## BLACK TIN id on the 16th of April.

Mine.	Tons	c.	gr.	lbs.	Price per	Ton.	Amount,	Purchasers.
Georgia Consols	3	3	0	14 .	€52 10	.0	£165 14 0-	-Bolitho & Co.
							7 26	ditto
Total-3 tons	7 cwts.	30	IFB.	15 lb	aAmou	nt of	money, £179	16a. 6d.

Rocks and Treverbyn ... 13 17 1 7 .. £54 10 0 .. £755 13 6—Blowing ditto ...... 0 10 3 4 ... 35 0 0 ... 18 17 6 ditt Total—14 tons 8 cwis, 0 qr. 11 lbs.—Amount of money, £774 11s.

a succession						И.		6	30	16	æ	U	se Mi	ne.		0.00	some the wall made in a sold to
Min						3		ON.						rice			Purchasers.
Tineroft		 	 		 	 	 Ø	12				à	£43	7	6		Calenick and Bissee Cos
																	ditto and ditto
ditto			 	 		 		12					43	7	6		Union Smelting Co.
ditto	**		 	 		 		3					28	0	0	****	ditto

## LEAD ORES

Mine. ourt Grange		Tons. 55	Price per Ti £15 15 6	on. Stu	Perchases, Willy	ers. Ams,	& C	٥.
	Sold at L	iskeard, on	the 22d of A	pril.				
heal Trelaws	y	100	£21 12 0	R.	Michell &	k Sor		
TICKETINGS	FOR ABOUT 50 TONS	GLENMAL	IL LEAD OF	RE, FOR S	SALE AT	Wic	KLO	۴.
Thomas Panther Walker, Newton	Ndders.  illiams, Nevill, and 6 Somers—Bristol Smelting Company- Parker, and Co.—H . Keates, and Co.—L ton—Lianerchymor	-Bristol olywell iverpool (to	ly (purchas	ers)	£10 10 9	5 0 10 5 5	6 6 0	
T	ICKETINGS FOR ABOU	UT 100 TON	s Newtona	ARDS LEA	D ORE.		14	
Bid Sims, W Thomas Newton, J. P. Ey Pontifex	ders. Dougle fillyams, Nevill, and Somers—Bristol Keates, and Co.—B. teatevent and Wood—London Blackett, and Co.—N	co, Isle of M Co,—Llane agillt	an, 23d Apr lly (purcha	ril. sers)	Price £11 8 10 10 8	8 10 10 10	6	

# Ticketings at the King's Head Hotel, Holywell, on the 24th April. Mines. Price per Ton. Purchasers. Panty-mwyn 35 £10 18 0 Walker, Parker, & Co. Pen-yr henblas 70 11 7 6 ditto

estminster									٠				 	66					- 11	1	13	0	 Evton & Co.
ditto					٠.				٠	٠.			 	50					11	1	11	0	 Walker, Parker, & Co.
ditto	٠						٠.						 	40					. 11	1			ditto
amaica														40					10		1	0	 Mather & Co.
elgraves .		٠.											 	8					11		9	6	 Walker, Parker, & Co.
aesysafn	٠		٠.						٠	٠.				50					11		6	0	 ditto
ditto			٠.											50					11		6	0	 ditto
alkin Hall												٠.		10					11		8	0	 Mather & Co.
ilwr																					13	6	 Newton, Keates, & Co.
													8	Sold	a	t.	A	ber	rystw	iti	h.		
oginan							••							50			٠.		£15		5	6	 Newton, Keates, & Co.
ditto		٠												30					15	1	11	6	 ditto
rongoch	٠									••				80					11		2	6	 Panther Company.
wmystwith				٠.										30					10	1	15	0	 ditto
ditto														30					10	1	15	0	 Newton, Keates, & Co.
anteos	٠		٠.	•			• •			••				45			• •		10		7	6	 Panther Company.
														Sol	d	a	t	he	Min	e.			
	to	8	В											48					£14	1	4	0	 Michell & Son.
																							ditto
				••			• •	٠			٠			13	ŀ.				14		2	0	 T. Somers.
ditto				• •		•								26			••		14		6	6	 ditto

## COPPER ORES.

Sampled April 2, and Sold at Swansea, April 22, 1851.

Mines.	Tons.	Prod.	Price.	Mines.	Tons.	Prod.	Price	
Cuba	91	16₫ £12	3 0	Santiago	. 44	114 4	7 14	0
ditto	86	164 11	19 0	ditto	. 43	19	13 15	6
ditto	80	14# 10	16 0	ditto	. 16	824	58 10	0
ditto	64	194 13	18 0	ditto	. 10	264	21 0	6
ditto	49	24 17	10. 6	ditto	. 8	811	58 0	6
ditto	44	224 16	19 0	ditto	. 1	64	45 10.	0
ditto	37	264 19	14 6	Spanish	. 60	84	6 8	0
ditto	4	644 47	0 0	ditto	. 56	84	6 10	0
ditto	. 8	774 58	0 0					
Knockmahon	117	94 6	17 6	Burra Burra	. 60	241	18 18	0
ditto	90	94 6	16 6	ditto	. 27	374	28 18	6
ditto	85	94 6	17 6	ditto	. 13	55	13 17	Ğ
ditto	84	9 6	8 6	ditto				_
Santiago	95	74 5	5 0	ditto	. 2	264	20 18	0
ditto	76	84 5	17 6	Chili				Ö
ditto					11		-	-

١	Cuba Tons	458	 £6563	10	0	Spanish Tons Burra Burra	118	 £ 781	16	0
ı	Knockmahon	376	 2542	14	0	Burra Burra	102	 2527	3	0
ı	Santiago	356	 3976	3	0	Chili	21	 600		

# COMPANIES BY WHOM THE ORES WERE PURCHASED.

	Tons. Amount.				
English Copper Company	1394	€ 900	18 10		
Freeman and Co	73	974	15 (	0	
Grenfell and Sons	180	1957	12 (	)	
Sims, Willyams, and Co	1914	2193	3 4		
Vivian and Sons	328	4248	19 (	1	
Williams, Foster, and Co	4384	4567	8 10	)	
Schneider and Co		1290	6 (	6	
British and Foreign Company	49	858	14 (	ő	
Maria .			_		

Copper Ores for Sale 29th April.—Cobre, 106, 104, 86, 79, 59, 50, 101, 97, 90, 70, 60, 51, 12, 100, 80, 61—Waterloo Slag, 32, 12, 8—Lackamore, 42—Darren, 23—Burra Burra, 11.—Total, 1333 tons (21 cwts.)

## AVERAGES. Produce. Price. Standard. British 9½ £ 6 15 2 £95 13 0 Foreign 18½ 13 14 0 86 9 6 Sale ..... 16 £11 17 6 £87 17 6

## Totals -British 376; Foreign, 1055 = 1431 tons (21-cwts.) AVERAGES OF LAST SALE. Sale ..... 16 £11 18 6 Totals-British, 1096; Foreign, 1068 = 2164 tons (21 cwts.)

COPPER ORES.
Sampled April 9, and Sold at Andrew's Hotel, Redruth, April 24.

Mines.	Tons.	-	Pric	e.	Mines. Tons. Price.
United Mines	118	 28	8	0	South Caradon 51 £7 17 6
ditto	99	 6	18	6	ditto 26 3 16 6
ditto		 4	8	6	Wheal Comfort 90 2 2 6
ditto	77	 5	8	6	ditto 72 1 4 6
ditto	78	 7	8	0	ditto 66 2 18 6
ditto	70	 2	8	6	ditto 44 1 6 6
ditto	69	 4	8	6	Par Consols 86 6 1 6
ditto	68	 3	8	0	ditto 84 6 8 0
ditto	60	 7	6	0	ditto 58 5 8 8
ditto	58	 8	8	6	ditto 36 4 11 0
ditto	46	 1	10	6	South Tolgus 95 3 11 0
ditto	45	 4	14	0	ditto 58 5 18 6
Tresavean	72	 2	18	6	ditto 57 2 18 6
ditto	69	 3	14	6	ditto 26 10 9 6
ditto	67	 3	8	6	Treleigh Consols. 54 3 10 6
ditto	50	 2	6	6	ditto 31 7 8 0
ditto	49	 2	18	6	Wh. Mary, Redruth 57 4 16 0
ditto	29	 2	13	0	ditto 17 2 2 0
ditto	8	 0	15	0	West Wheal Jewel 70 5 4 0
South Caradon	78	 8	3	0	West Trethellan 29 2 8 6
ditto	66	 7	15	6	Richards' Ore 19 1 16 0
ditto	52	 5	9	0	Respryn 9 6 9 6

# TOTAL PRODUCE. United Mines 877 £4675 4 6 | Treleigh Consols 85 | Tresavean 387 952 1 0 | Wh. Mary, Redruth 74 | South Caradon 273 1933 6 6 | West Wh. Jewel. 70 | Wheal Comfort 272 530 16 0 | West Trethellan 29 | Par Consols 364 | 1516 1 0 | Richards ore 19 | South Tolgus 236 1119 19 6 | Respryn 9 |

# LAST SALE.—Average Standard..... £ 95 7 0.—Average Produce..... 92 Standard of corresponding sale last mouth, 1011. is.—Produce, 72. COMPANIES BY WHOM THE ORES WERE PURCHASED

A STATE OF THE PARTY OF THE PAR	Tons		Amout		
Mines Royal	111	*****	£ 694	. 2	
Vivian and Sons					
Freeman and Co		*****	1327	16	16
Pascoe Grenfell and Sons	502		2351	8	- 6
Crown Copper Co	29		174	3	.0
Sims, Willyams, and Co	355		1202	19	.6
Williams, Foster, and Co	438		2572	18	9
Schneider and Co	280		945		- 6
Mason and Elkington	255		1126	18	9
CONTRACTOR OF THE PARTY OF THE	-	200		-	-
Total tone	9848	11000	1 982	1180	100

er ores for sale on Thursday next, at Tyack's Hotel, incroft 591—North Roskear 563—North Pool 552 count #97—South Frances 200—Fowy Consets:
ee for s. Scon Thursday week, at Andrew's Hotel,
Brea 572—Wheal Buller 440—Par Consols 364—Levant 122—Wheal Agar 23—Wheal Tremayne
to the said, 2772 cms.

## NOTICES TO CORRESPONDENTS.

ts.—Sir: Last April I wa mine, from its being represented to me as a divider but at these only paid one dividend of 2s. 6d, and m outliged if any of your correspondents would furnish that dissatisfaction has been expressed with the stater —An ADVESTURES: (Vil. 4pril 2s.)

4 W." (Liverpool),—The Cost-book System has been often described in our Journal; if will, however, form subject of especial reference in the series of papers now publishing on "Mining Management."

will, however, form subject of especial reference in the series of papers new publishing on "Mining Management."

\*\*X.Y."—Uranium is found at Tolcarne and Tincroft, in Cornwall; in mits slate at Johanngcorgenatedt, Sineeberg, and Wiesenthal, in Sanony; and in granite at Joschmithal; in Bohemia, and Kongaberg, in Norway. A communication, forwarded to either of these pieces, would obtain the desired information. Uran mice is found at Carharrack, Tincroft, Tolcarne, Wheal Jewel, Stonnagwyn, and Guanits Lake. There is also an uran other not found in this country, but only in Bohemia, Sanony, and France. An Old Tinner" (Roch) complains that the parties bringing out new adventures in mining do not do justice to the old tinners, when they insinuate that they made the former workers left them rich. He says there are few of these old mines in which they did not work until everything of value was extracted; but acknowledges there are some in which they were overpowered by the water, and which modern machinery may render available. Much as we would deprecate the too-prevalent system of puffing off worthless mines, we cannot but believe that there are many old workings which, under modern appliances, would pay well for operating in; nor is the fact that the old men were obliged to abandon mines in consequence of the water any reflection on their industry and perseverance. Our correspondent does not like bal-sellers at all, and remembers the time when there were only three or four addicted to the practice, and when mining, in consequence, went on as amouthly as could be desired.

2."—West Damael, we believe, has only a single shaft, little more than 20 fms. deep:

R."—West Damsel, we believe, has only a single shaft, little more than 20 fms. dee a kindly gossan lode. At Wheal Cupid they have done little more than prepare i

a kindly gossan lode. At Wheal Capid they have done little more than prepare for an eigine.

PREFIRE WORTELESS MINING ADVESTURES.—Alluding to a "Notice" in last week's Journal, "Truth" says—"I much regret that you have totally misapplied one part of my letter—vis., that the Missing Journal will insert any communication upon being paid for it. I lintended my remarks to have this effect—that the parties interested in, and bringing out, these bubbles could obtain any report they wished for a guines from missing capisains, and then, unfortunately, such reports made their appearance in the Missing capisains, and then, unfortunately, such reports made their appearance in the Missing capisains, and then, unfortunately, such reports made their appearance in the Missing capisains, and then, unfortunately, such reports made their appearance in the missing capisains, and the capital and untilisting public. How you could imagine for one instant that I could so far forget myself as to libel the Missing Journal as you represent I cannot conceive; and at the carliest moment I write to correct the mistake you have fallen into, and deeply regret that the communication should have received such a constant reader of your valuable Journal, and never put is down without receiving instruction and delight from its persual; and as I said in my last, the public are deeply indebted to you for your endeavours to put them on their guard against the rascally and awindling bubbles of the day. I only wish one could with impunity point out such schemes by name, as the mania is spreading far and wide, and must in the end do scrious injury to legitimate concerns. By-the-bye, it has occurred to me that one important and serious will has been lots sight of by you in these concerns, composed as they are of such a large number of shares. For instance—suppose one of these concerns only get two-thirds of their shares aubscribed for, there is no atpluation in their prospectuses of returning the deposit money to any shareholder who then might not appro

correspondent directs our attention to the fact of several prospectuses of com-having appeared in country newspapers which have never been heard of in London panes naving appeared in country newspapers which navine's occurrence of incommon country newspapers which have not expense of the country newspapers which have not expense of the amenda statement of the commany.

The particulars furnished were the present financial statement of the commany.

present financial statement of the company.

?)—Our correspondent argues very fairly concerning the recent experiment of Foncault, but his premises are only partially correct. The pendulum is not swang by a rigid bar of metal to the top of the apartment, so as to limit its vibrations to one plane relative to the earth, but it is suspended by a slender wire, susceptible of torsion to a cortain extent. The apparent motion is less than the real from this very circumstance, and it would, if continued, be ultimately brought to a stop, from the twist of the wire becoming equal to the resisting inertia of the pendulum. In our last we suggested a means of removing this difficulty, by suspending the latter to the under surface of a powerful magnet, either electro or permanent, whereby it would be at perfect liberty, and entirely refleved from the constraining action of the earth. We have no doubt whether any of them would be equally effectual.

Amieus" should write under another signature: his communication is inadmis

from its personality,

\*\*STUBLEM MINING COMPANY.—We have received a communication on the affairs of this
company from Mr. R. Moore, but its great length, and the crowded state of our columns,
prevents its appearance in this week's Journal.

\*\*AFULLIAN MINING COMPANY.—We have received a letter from "The Idler in the As"
turias "—want of space compoles us to defer its insertion until next-week.

A review of Sir H. de la Beche's work, the "Geological Observer," is unavoidably
positioned.

DEVON GREAT CONSOLS MODEL WATER-WHERLS.—Sir: I hear there is an impression on the minds of some of your readers that I am the author of certain letters referring to the models of the Devon Great Consols water-wheels, to be exhibited at the Crystal Palaces. Without respect to the merits of the question en sither side, as I do not wish to remain the reputed father of other men's works, I beg to state that I have had nothing to do with the above letters, either directly or indirectly.—James Carthew: House-moor Mine, Calstock, April 22.

moor Mine, Calatock, April 22.

Ventuation.—Sir: "A Practical Viewer," in your Journal of the 19th inst., would oblige by stating eracely the size of the upcast shafts as Haswell and Tyne Main, the dameters and sectional areas, their depths, and the furnace power in each. Also, the depth of the upcast at Senton Delawai, its size and area, and the jet power employed, and by what size of fire. If he could also state the consumption of coal in the 24 hours in each case, it would be additionally satisfactory. I have understood that those he has generally stated are not quife correct.—A. Yours Viewes. April 23.

"R. E." (Manchuster).—Obtain a work on Gas Lighting, by Mr. J. O. N. Rutter, of Break Town AND Suesa Covered. In market the consumption of the Section of the United Section of the Sectio

Wheal Tow and Sugar Compose.—In reply to a letter from "S.," inquiring whether "there had been proceedings at law between Sheba Consols and Wheal Tom respecting the caunter lode"—we know of none; and we are informed that the parties who have engaged in these speculations are respectable, and fully prepared to await the result of their being developed. The locality of the mines being well known, needs no com-

W. (Manchester) .- The subject will be fully elucidated in an early Journal

"Wi" (Manchester)—The subject will be fully cluckated in an early Journal.
GLass Pres.—Sir: Will you, or any of your readers, inform me, through your valuable Johrnal, if it is a fact that glass pipes have been found unavitable for conveying water for any length of time, from the circumstance that a sediment, or gloct, speedly collects in the pipe, forming a bed for vegotable growth, which soon chokes the pipes. I have a vague notion of either hearing or reading an account of these effects—the result of trains having been made upon the matter. As it is a subject of great importance in the present time of sanstory movement, any information on such a subject would be valuable to many of your readers.—A CONSTANT READER:—Glasgoe, April 23.
The Crystal Falace covers a larger area than any other single building in the world. It has been ersected with a speed which substitutes weeks for years in all analogous cases—yet the number of hands employed by Fox and Honderson, the contractors, in the actual labour of construction, has seldom exceeded 2000 at a time.

We must impress upon our correspondents, the necessity of invariably furnish us with their names and addresses—not that their communications should, c sequently, be noticed, but as an earnest to us of their good faith.

\* It is particularly requested that all communications may be addressedat all community of the Editor,

Mining Journal Office,

26, Fleri-Street, London,

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AndPost-office orders madepayable to Wm. Salmon Mansell, as acting for the proprietor

## THE MINING JOURNAL Mailtony and Commercial Sagette.

LONDON, APRIL 26, 1851.

the Mining Journal is published at about Eleven o'clock on Saturday morning, at the office, 26, Floet-street, and can be obtained, before Twelve, of all news agents, at the Royal Exchange, and other parts of London.

We this week enter upon the subject of British mining in the last, in which we pointed out the caution necessary, both prior to embarking in a mining speculation and after, how to steer clear of the shoals and quicksands of the sharper; and it entangled for awhile in his meshes, the only way to be extricated—i.e., by abandoning the money embarked as a total loss, and "cut and run." Without a moment's hesitation we repeat that advice again, giving the sub-ject further consideration. We should do so ourselves; therefore our sincere advice to our readers who are, or may be, in such a pre-dicament, is—" Go thou and do likewise" Well, then, and as Mrs -" Go thou and do likewise GLASSE would or did say—"First eatch your hare, then cook it, we must say—"first get your sett, then work it." Here we lay the foundation of our subject. How to get a sett, and where and how we must say—"first get your sett, then work it." Here we lay the foundation of our subject. How to get a sett, and where and how to select a "kindly" spot, likely to repay the capital embarked, and prove remunerative—"ah! there's the rub." Our forefathers used the divining-rod, for which example of credulity and superstition it ought to have been applied to their own backs smartly, rather than teoting it majestically ever the backs of so many imaginary lodes and branches it has been held forth to have discovered from time to time, more by the cunning of Mr. Dowern, and the tradulity of others, than the real facts of the case. We are not sceptical; we have "twigged" the rod ourselves innumerable times. The hazel, withe, and whiteshorn have all been

in our hands, in the presence of the first-rate dowsers of the day; and we confuse our inability to control is, for it bent downwards innumerable times against our "free will and consent," and we were told "there was a large lode here, a rich one there, and branches everywhere"—just as satisfactory as a star-gazing astronomer informing as the exact number of liminaries in the heavens, expecting us to believe him, or set about counting them ourselves. It is right to explain that our dowsing exploits were ally and laws upon or near to rich mines, where, of course, there were really no lack of lodes or branches; and Mr. Dowsen being "conductor," he led us where he pleased, and certainly he took all the "short cuts," so as to pass along nearly in a north or south direction—consequently, over the backs of all the east and west lodes and branches. He certainly surprised us; but we are not converted to his opinion, or the assumed talismanic properties of the red. "He that consents against his will, remains of the same opinion still." The virgula dimintoria was mentioned by Agricona as the enchanted rod, and since then by Pexce, in his Mineradogia Cormules in the rod, and gives most minute directions for its use. The twig should be of one year's growth only—a forced prough store the muscles of the wrists in a constrained position. When passing over as metallic lode or water, the rod is and gives most minute directions for its use. The twig should be of one year's growth only—a forced prough store the properties of the operators, twisted round in such a manuer as to place the muscles of the wrists in a constrained position. When passing over as metallic lode or water, the rod is amendated position. When passing over as metallic lode or water, the rod is amendated position. When passing over as metallic lode or water, the rod is amendated position. When passing over as metallic lode or water, the rod is amendated position. When passing over as metallic lode or water, the rod is a constrained position. When passing over a nubiensis. The latter avows his firm belief in the rod, and gives most minute directions for its use. The twig should be of one year's growth only—a forked branch best. Each end of the forked prong is to be held in either hand of the operator, twisted round in such a manner as to place the muscles of the wrists in a constrained position. When passing over a metallic lode or water, the rod iamediately points out the spot by bending downwards. This deflection, however, is more naturally accounted for by the fatigue of the operator's wrists. In this way a dowsing advenventurer, within the last quarter of a century, upon his rod going downwards rather unexpectedly, had a pit sunk, and there discovered a tomb of Anglo-Saxon origin, containing bones and some "copper Celts," which lucky coincidence naturally established the reputation of the dowser, and confirmed the infallibility of the rod. Among the Recreations, Mathematical and Physical, by M. Azanam, it is there alluded to as the Bagnette divinatorie—"a small forked branch of light hazelwood, which several have made use of to good purpose in discovering the most noble metals; and even robbers and murderers, of which we had a notable instance, in 1693, in one James Aymar, of Daupheny, who pursued a murderer 45 leagues, and made use of to good purpose in discovering the most noble metals; and even robbers and murderers, of which we had a notable instance, in 1693, in one James Aymar, of Daupheny, who pursued a murderer 45 leagues, and found him by his rod! When he came to Paris, he gave several proofs of his dexterity, in making use of it in the discovery of metals, water, and hidden treasures. The rod bent down to all—even over stolen goods, or the track of robbers or criminals' feet." Others affirm that it has been successfully used in distinguishing the bones of canonised saints from those of other persons. Sir Walter Scott, in the Antiquary, describes it as being used by the cunning German, Dousterswitzl, for the discovery of water at St. Ruth. Its first use in England was in the reign of Queen Anns, when the commandant at Plymouth (a Spanish deserter), named Riberla, pretended to discover a copper mine near Okehampton, which was wrought several years after. It is frequently urged as a matter of complaint that those persons who make the most important discoveries do not uniformly receive that exhalted reward they deserve. The inventor of the marvellous "dowsing rod" could not complain; he was raised high above his fellow-men, by being hung in Germany as a common cheat and imposter. We, therefore, unhesitatingly say, don't select your mine by means of dowsing, or Twig Folly may run away with a load of money, without finding you a lode of ore.

Having set our veto on the rod, we next turn to the subject of costeaning at surface, in order to discover the backs of lodes—a system to be preferred in every respect, and one more generally observed and depended on than any other. A pit is sunk from 8 to 12 ft. long, and 3 ft. wide, from 1 to 2 fathoms deep, as the case may require. This is done mostly where a lode is known to run, or so expected, from observation made at a distance and a server.

or than any other. A pit is sunk from 8 to 12 ft. long, and 3 ft. wide, from 1 to 2 fathoms deep, as the case may require. This is done mostly where a lode is known to run, or so expected, from observation made at a distance east or west. Sometimes a series of such pits have to be sunk on either side of the first one, till at length the back of a lode is shown plainly in one of them, probably gossan, with underlay and other symptoms sufficient to guide the practical miner how far off he should go to put down a shaft perpendicular, to take the lode at such a depth as he contemplates or wishes. He procures a tackle, and sets to work manfully, perfectly sure of the lode passing through the shaft at or about the depth he calculates, unless the underlay should change, and render it necessary the shaft should go deeper. While this is doing, or even before he is looking towards an adit level (in case there is not already one in the sett, and near to the object he has in view), he commences as low as possible, unless too far distant, and, as found to be most convenient, either on the direct run of a lode, or across the country and run of lodes; and this he communicates as quickly as he can with his surface shaft. This may be only a shallow adit, for expedition sake—a deeper one having to be brought in hereafter from a greater distance.

shallow adit, for expedition sake—a deeper one having to be brought in hereafter from a greater distance.

Adit levels are of the utmost importance to the miner, for the lower they are down in the earth the higher portions of the mine above it can be worked dry, and without the aid of water or steam-power, saving the expense thereof, while giving the lodes a trial to that depth, and, in some instances, producing the necessary funds required for the purpose of machinery to work them below. The great advantage of a deep adit is exemplified in the most perfect manner by that driven up from Carnon stream or valley, a branch of Penryn River, to Cardrew Mine, in Redruth—a distance of nearly six miles; but from its various ramifications to different mines it is extended about 26,000 fms., nearly 30 miles. This stupendous tance of nearly six miles; but from its various ramifications to different mines it is extended about 26,000 fms., nearly 30 miles. This stupendous undertaking was commenced in 1748. In many mines it comes in 40 fms. deep, and at Wheal Hope (the highest) nearly 70 fms. at Chilcot's shaft. It has been computed to extend over 5800 acres, and discharge about 9000 gallons of water a minute, all of which would have lead to be raised to the surface by steam-power, which, at a moderate estimate, would require 25,000 tons of coal, and cost about 20,000. per annum for fuel alone. The expense of maintaining and keeping this in good order is defrayed by a small annual charge to every mine deriving benefit from it, according to the size of their various pumping machinery; the saving to each may thus easily be conceived.

thus easily be conceived.

Thus far we have gone in localities where other mines are or have been at work, and lodes already discovered. We will now start from them, and suppose ourselves tempted to explore a district altogether away from any workings, or where lodes have even been traced at surface. Beyond all doubt our fancy would be to follow the stream, and steer towards the junction of killas and granite, because in mining the junction of lodes, as well as of strata, is so frequently attended with good success. Lodes are more to be depended on in such a locality. Still a kindly gossan, or champion lode, a few miles distant, would have its tempting effects upon our purse and inclination, and there are many in such localities that have prospered. Granite has many things to attract our notice beyond most thus easily be conceived. prospered. Granite has many things to attract our notice beyond mos other individual strata. Rich mines, of both tin and copper, have been found embedded in it, with the almost invaluable benefit of so little ex

found embedded in it, with the almost invaluable benefit of so little expense being requisite for draining power. They may, in fact, be said to be dry mines. This forms part of the attraction towards them, the saving thereby derived being a very-considerable profit of itself.

By far the largest portion in the mineral composition of lodes is quartz. Near the surface this is full of cavities, mixed with an earthy brown iron ore, which is termed gossan. When this contains any other metallic substance, they are tolerably hard and of a cholocate brown. When the quartz is friable, or as locally denominated sugary spar, it is, of course, less hard—as with felspar, clay, or prian. These sort of gossans more frequently accompany coppor ores than any other. Gossans are generally found shallow, though instances are numerous where they are met with at considerable depths—for instance, Wheal Reeth, Dolcoath, Wheal Damsel, Ting Tang, and Wheal Gorland.

It is with considerable satisfaction we have to announce that the MINING EXCHANGE is daily extending its labours of ntility; and, notwithstanding the holiday period which has just clapsed, a more than average amount of business has been done. Several new memhave joined the general body; and we believe all those who wish to trade legitimately and honourably will endeavour to be come members, to which, if they are properly qualified, there can be no objection. It would ill become us here to recapitulate all the be no objection. It would ill become us here to recapitulate all the inconveniences and tergiversations, to use the mildest terms, which have been entailed on the mining adventurer through the want of a proper and authorised place of business, where transactions could be registered; and to detail the many cases which have come under our knowledge, in which parties have acted both as principals and agents in the same transaction: these and many more have been discussed—sague ad nauseam—and we trust are now buried in the tomb of the CAPULETS, never again to be resuscitated. The place for dealing in mining shares is the Exchange. There can be obtained the market price of the article, and an accurate knowledge arrived at of the value of the investment; and the speculator can only blame himself if he foolishly loses his money, when he has the Exchange to protect him. To those at all acquainted with the subject, it is

## NEW METHOD OF TREATING MINERALS-EXTRACTING SULPHUR FROM IRON PYRITES.

At the Society of Arts, on Wednesday evening, Mr. William Longmaid described his new method of treating ores and minerals, and in the manufacture of alkalies. Mr. Longmaid, prior to the year 1839, finding sul-

nufacture of alkalies. Mr. Longmaid, prior to the year 1839, finding sulphuric acid had become so great and important a branch of our manufacture, enormous quantities of Sicilian sulphur being consumed in its production, the chief use being to decompose common salt (chloride of sodium), and the Sicilian Government having acted from mistaken policy on their part, in such a manner as to interfere with this manufacture, turned his attention to the separation of sulphur from the native ores which abound in Cornwall, Devon, Wales, and Ireland.

The sulphur of iron pysites, when subjected to the heat and atmospheric air, produces sulphurous acid in a condition fit for the manufacture of vitriol; but the Cornish pyrites, proved by experiments made by Mr. Longmaid, that the richest portions of the ores in sulphur were so friable that they were soon reduced to the condition of detached grains, or when so impregnated with arsenic as to render the great balk unfit for the vitriol maker. The idea occurred to Mr. Longmaid to mix the ore and salt together, and calcine the mass. His first effort was crowned with considerable success, encouraging him forward step by step, till at length he produced so perfect a decomposition that a trace only of the salt remained. Funds were obtained, and patents secured. The process now stands before the world, acknowledged by the most experienced manufacturers and chemists to be both practicable and successful; the time, therefore, is not in all probability far distant when a large proportion of copper creamer.

turers and commists to be not practicate and successful; the time, therefore, is not in all probability far distant when a large proportion of copper ores must be submitted to this treatment—the opposition of the smelters will be no longer tenable.

In the copper smelting-works the sulphur and other volatile matters are driven off by the several calcinations to which the material is subjected in the different stages of smelting, and considerable waste of tin and copper occurs when these metals are found combined in the same ores, and the silver existing as universally in conpert over with little expection is totally lost

occurs when these metals are found combined in the same ores, and the silver existing so universally in copper ores, with little exception, is totally lost. This patented process for the separation of the metals, and the manufacture of alkali and chlorine, is essentially a great one, and cannot be carried out beneficially on a small scale. It consists of a series of manipulations, commencing with first ascertaining the quantity of sulphur in the ore to be treated, to which is added a weighed quantity of sals, also a small quantity of oxide of iron—the product of a previous charge—to assist in taking up the sulphur in the early stages of the process. The material is ground and placed on the bed of the furnace furthest removed from the fire, and is moved on from bed to bed, until it is finally finished on the bed nearest the fire. on the bed nearest the fire.

The finished mass is sulphate ash, and contains (when such metals exist in the ores used) sulphate of soda, soluble salts of copper and silver, insoluble oxide of iron and tin, with a small portion of undecomposed salts.

soluble exide of iron and tin, with a small portion of undecomposed salt and the silica of the ore.

Before the sulphate ash has had time to cool, it is conveyed to the vats to be lixiviated. The strong liquor is drawn off into wells, and thence pumped as required into another set of vats, where the precipitation of the copper and silver is effected. The liquor is kept at a temperature of about 150° Fahr., at which the metals are rapidly precipitated with old iron.

The precipitated copper tests from 80 to 95 per cent, pure copper. If tin exists in the ore, the refuse will have to be washed in a similar manner

tin exists in the ore, the refuse will have to be washed in a similar manner to that practised in Cornwall in dressing tin ore. During the process of calcination the oxide of tin remains unchanged, except that it is freed from the copper, sulphur, arsenic, &c. The great bulk of the iron has been converted into the salts of that metal, and subsequently it is reduced to the condition of oxide, useful for many purposes.

This oxide is ground with oil, and this forms a valuable pigment, of two colours, brown and black, and is useful for protecting iron from oxidation. These processes are gradually coming into use.

The works of the Patent Alkali Company, at St. Helen's, are on a scale capable of treating from 8000 tons to 10,000 tons of ore annually, and similar works are in course of creation on the River Tyne. When

scale capable of treating from 8000 tons to 10,000 tons of ore annually, and similar works are in course of erection on the River Tyne. When these processes shall have come into general use, Mr. Longmaid estimates the immediate advantage to the United Kingdom to amount to the sum of 1,000,000/ sterling per annum, by the following anticipated results:—The annual production of alkali in Great Britain exceeds 120,000 tons, on which he calculates to effect a saving of 4l. per ton.

The quantity of silver annually lost in the copper smelting-works amounts to 15,000,000 ozs.—all which would be recovered.\*

The saving to be effected on the smelting charges on copper, the recovery of tin, oxide of iron, and chlorine, he calculates to be enormous, besides the collateral advantages in bringing large masses of the ores of Cornwall and elsewhere, that have hitherto been waste, into profitable use. The direct tendency of these results will be to secure the copper smelting trade of the world to Great Britain, in a greater degree than is the case at present.

\* Is Mr. Longmaid not aware that the two principal smelting companies (Messrs. Williams, Foster, and Co., and Mesers. Vivian and Sons) have long adopted a process for extracting the silver from the copper ore they purchase?

At the Queen's Bench, on Wednesday, the cause Bailey v. Osborne was re-argued before Lord Campbell: it was originally tried at the Devon assizes, when the plaintiff obtained a verdict for 2314 for timber supplied to Wheal Walter, in which mine the defendant was proved to be a shareholder. Serjeant Kinglake now moved for a new trial, upon the ground that, as the mine was conducted upon the Cost-book Principle, no one had authority to pledge the credit of any individual shareholder for the amount of goods supplied for the general benefit of the concern, citing the case Ricketts v. Bennetts (4 C. B. reports, 686). The cost-book was put in as evidence, and the Lord Chief Baron turned to a resolution therein, which he said put an end to the defendant's case—viz. "That at a meetin as evidence, and the Lord Chief Baron turned to a resolution therein, which he said put an end to the defendant's case—viz.: "That at a meeting of the finance committee it was agreed that no further money be called for until the calls made had been paid up, and that Messrs. Bailey be directed to proceed against the defaulters." Lord Gampbell said, "I think that there should be no rule in this case; it was evident defendant was a shareholder, and that the goods were for the use of the mine; he would, therefore, be prima facie liable; and it lies on him to show something which created a limited liability, and that that was know to the plaintiff. I see no evidence of either; the cost-book itself contains no evidence of limited liability, and it cannot be said that a person supplying a mine is bound by all the regulations which bind the parties inter sc. Mr. Justice Patseson supplied, unless they can show special circumstances, and bring them to the knowledge of the plaintiff. Mr. Justice Erle said, it would be impossible to carry on a concern of this nature if everything was to be paid for in ready money, as is now contended for. There is a distinction between pledging the credit of the shareholders for goods necessary for the mine, and for the purpose of borrowing money.—Rule refused.

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## IMPROVEMENTS IN STEAM NAVIGATION.

We are indebted to a correspondent for the following account of a trip from New York to Albany, 155 miles, made in the steamboat Re-The speed obtained, we believe, has never yet been equalled by any other steamboat performance, either in the old or new world. Twelve miles were actually ran over in 26 minutes, it being at the rate of 273 miles an hour, and this, too, against a strong wind and tide! The dimensions of the boat are not given, but we have reason to believe that her length is over 300 feet, with a breadth of beam of about 40 feet, and 4 to 5 feet draft of water. But the most remarkable feature in the performance of this boat, is what is termed the affect of the difference between the actual this boat, is what is termed the silp; or, the difference between the actual speed of the vessel through the water, and the distance passed through by the circumference of the paddle-weels, which was less than one-minth. This is a point to which we should particularly wish to call the attention of our steam engineers. Indeed, the entire results of the voyage, engines, &cc., is worthy of, and we hope will claim, the earnest attention of our prefessional men in this innectant density that the capacity of the correct of the control of the cont

of our steam engineers. Indeed, the entire results of the voyage, engines, &c., is worthy of, and we hope will claim, the earnest attention of our professional men in this important department of scientific research:—

"Some important improvements have been effected in the speed of steam-boats in America—a new boat, the Reindeer, Capt. De Groot, having made some of the most wonderful passages ever performed upon the Hadson, and, perhape, in the world. The model, engine, &c., are from the designs of her chiefengines, Mr. Charles W. Farnham, who enjoys the reputation of being one of the most able engineers in the country. The hull was built by Thomas Collyer, and the engine at the Morgan Iron-Works; both are admirable specimens of workmanship. The cylinderis 56 in. diameter; stroke, 12 ft.; wheel, 34 ft. diameter; and at her highest speed on the down trip, from New York to Albany, she made 24 revolutions a minute. By a register attached to the engine on her downward trip she made 9:110 revolutions; and as the circumference of her wheel is 102 ft., and the distance to Albany 818,400 ft. (155 miles by the Channel, 150 in a straight line), she would make 8021½ revolutions, if she had moved the full circumference of her wheel acch stroke of the piston. She, therefore, lost only one-ninth of each revolution of her wheel—a flood-tide running meet of the distance, when the wheels, of course, slipped with the water, losing a portion of their power. Those skilled in such matters need not be told of the perfection of model and machinery necessary to such a performance. The Reindeer left the dock on Tuesday morning at 7 A.M., and passed the foot of Canal-street at exactly 6 min. after. She was opposite the Railroad Pier at Piedmont at 1 past 8—having made the distance, 24 miles, in one hour and nine minutes, in the teeth of a nerth-east storm which prevailed. Caldwell's landing was reached 11 min. past 9; Newburgh touched at 10; Poughkeepsie, at 46 min. past 10; Kingston, at 86 min. past 11; Bristol, at 18 min. past 12; Hud

## ELECTRO-MAGNETISM AS A MOTIVE POWER.

In the description of Mr. Hjorth's new arrangements for his electro magnetic engine, in the Mining Journal of 29th of March, no notice was hagnetic engine, in the Mining Journal of 29th of March, no notice was taken of the augmented attractive force obtained by his cylinder and piston-engine, as compared with the theories which have been generally laid down; and we think, therefore, that a statement of the results of his experiments, which in the following table may be compared with the mean power of many experiments made on different forms and constructions of magnets, showing the superior power of the cylinder and piston-engine, will be interesting to our readers:—

RESULTS FORMERLY OBTAINED.				Ma. HJORTH'S ENGINE:					
	Distance.	Attri	Lbs.	Distance.	Attr	Lba.		ngle of Mag-	
	1-250	***********	90.6	1		160		042:34	
	1-125	** ** ** ** ** ** **	50.7	24		124		°60·57	
			50·1 40·5	3		88	******	°67:22 °72:39	
	1-00		40:0	5		72		075-58	

From his recent improvements in the disposal of his magnets, and his detarmined perseverance in the development of this beautiful and interest ing science, we hope soon to see the day when Mr. Hjorth shall produce an economic electro-magnetic power which, under all circumstances, will be completely successful.

# FIRE-PROOF BUILDINGS.

The immense amount of property destroyed in commercial cities and The immense amount of property destroyed in commercial cities and towns by accidental fires, and the incalculable loss which has been wisnessed in London alone during the short advent of the present year, should call the attention of the thinking portion of the community, more particularly those connected with buildings, to some of the proposed means of rendering our dwellings and warehouses less combustible—many of which are really constructed as if intended for some grand pyrotechnic display. Some of these plans are costly, and indeed impracticable, except for large and leby buildings; but a plan, recently introduced by Messrs. Fox and Barrett, which has been acted upon to some extent, should, we think, be more generally known than it appears to be. It consists in using cast or wrought-iron joists, of the shape of a reversed T in section. Across the lower flanges rest stripsof wood, slate, tile, or iron, but wood has hitherto been generally used—the absence of the possibility of any current of air securely preventing ignition: On these strips is laid a coat of coarse mortar, one inch thick, which, oosing between the joints of the short laths, forms a firm key for the ceiling plastering below. On this is laid a bed of concrete for a dwelling-house, about 5 inches thick, and for warehouses or large buildings, 8 or 9 in.—the joists comparatively increased in strength. A floor and corresponding ceiling is thus constructed, which may be made as ornamental as can be desired—indeed, more so than by the usual method: the strength of the iron is aided by the great tenacity of concrete, the whole cemented into one solid unyielding mass, like a hinge flagstone, is fire-proof, impervious to dirt, vermin, or sound, and in cost not more expensive than a common wood joist construction. On this plan, too, any system of warming or ventilation may be adopted with even great facilities, and much greater security, than on the old method. towns by accidental fires, and the incalculable loss which has been wit-

# THE BURNING WASTE OF CLACKMANNAN.

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THE BURNING WASTE OF CLACKMANNAN.

A week or two since we stated that attempts were making to put out the fire in Lord Mansfield's coal-field, near Alloa. We understand the experiment has been successful, and the fire is, in all human probability, extinguished. We detailed in our Journal the process very minutely, and which may also be found fully described in the Report of the Lords, in 1849. The secondary process—that of cooling the waste—is, perhaps, the most important and interesting part of the operations. It is also due to the steam-jet, and is one founded on sound scientific principles, and has been beautifully effective in practice. The temperature is now reduced to 86%, and the drifts have been entered, which penetrate the waste closed for the last 22 years. All indications of fire have disappeared, and the escapages from the waste now give no evidence of the presence of either carbonic acid, any of the sulphurets, or other products of combustion, by the most delicate tests. The operations are all open to the public, and we hope soon to be able to give a detail of this new triumph of medern science.

The Godolphin Misine Company.—In the Vice-Chancellor's Court, on Taursday, Mr. Hislop Clarke moved an behalf of the official manager, Mr. Stainsby (appointed by Sir George Rose, the Master charged with the winding-up the affairs of the company), for the discharge of an order made by this branch of the Court on the 30th November, 1350, by which an order for a contribution of 4h per share had been directed to be suspended until Turther or ders, with liberty for two persons therein named to take certain proceedings. The ground of the motion was that a composition had been made with all the centributories (excepting two, one of whom was out of the jurisdiction of the Court, and the other insolvent), by which they had agreed to pay 3d 9s. 6d. Per share. By this means the official manager had a sufficient sum of money in hand to discharge all the debts and liabilities of the company and had applied to Sir George Rose for his sanction of the compromise, to which he had acceded, but considered the previous consent, of the Court necessary to the discharge of the order of November, 1850. It was also preposed that the costs of the parties who had obtained that order should be paid out of the estate.—Me. Folies, on these considered the arrangement is proper one, he would sanction the discharge of the order, and should discharge it accordingly.

# Original Correspondence.

THE JARROW COLLIERY-THE IMPENDING EXPLOSION.

THE JARROW COLLIERY—THE IMPENDING EXPLOSION.

Str.,—Absence from home, and personal engagements of a weighty nature, have prevented, till now, my answering your able correspondent's (Mr. Richardson) question in the Mining Journal of the 22d of March, in reference to Jarrow Colliery. It is with deep regret I have to communicate that, though somewhat more care has been applied, there has been no change made in the plan or principles of working in Jarrow Colliery. The managers of that colliery have hardened their hearts against the almost universal appeal that has been made to them. In pointed opposition to the feelings and sympathies of society, the expressed opinion of the best mining authorities, the protests of the men, and the experience of the northern miners, they have isolated themselves; and, incurring responsibilities which few men in England would do, seem disposed to abide the fearful issue. May it be better than we all anticipate.

M. April 21.

## THE NITSHILL EXPLOSION.

Sir.—The extraordinary fact communicated by your correspondent, "H." in the last Journal—viz.: that the Nitshill Colliery is worked by "natural ventilation—that is, without furnace, fan ventilation, steam jet, or any other process for procuring air," is not only quite sufficient to account for the occurrence of the explosion, by which 61 men were killed, but to excite surprise that such destructive accidents have not been more frequent. Your correspondents suggests that all discussion on this subject should be deferred until the Inspector of Mines, who has examined the colliery, has published his report upon it; but as this may not take place for six or twelve months, and as the owners are satisfied that the system pursued is quite sufficient to ventilate the colliery, it is obvious that as the system is a bad one and replete with danger, the sooner it is exposed and condemned by the press, the more will be the probability that a still greater sacrifice of human life may be prevented. In the newspaper accounts of the accident, we were told! "the mine was one of the best ventilated in the kingdom; the owners never spared expense to render it safe, and so convinced were the owners of the superiority of the method of ventilation and working adopted, that a valuable model was being consafe, and so convinced were the owners of the superiority of the method of ventilation and working adopted, that a valuable model was being constructed for the Exhibition!" Presuming that the fact is really as it is stated to be by. "H.," that no artificial "process for procuring air" was, or is, resorted to, and that the safety of a colliery, which is stated to be "of so fiery a character, that a single hour's interruption of the air-courses would occasion an accumulation of gas sufficient to shatter all the erections through 70 acres of workings," was, and is, solely dependent on the changeful, intermittent, and ever uncertain operation of a "natural ventilation." We cannot view the statements put forth in the newspapers as to the excellency of the ventilation otherwise than as either gross misrepresentations, or as the offspring of an almost incredible want of knowledge. However painful the inference may be, the fact stated by "H." leaves us no other alternative than to ascribe the death of these unfortunate men to the imperfect means of ventilation adopted; and it is evident

to the excellency of the ventilation otherwise than as entire gross miscopresentations, or as the offspring of an almost incredible want of knowledge. However painful the inference may be, the fact stated by "H." leaves us no other alternative than to ascribe the death of these unfortunate men to the imperfect means of ventilation adopted; and it is evident that the managers of the colliery are either insincere, or are in total ignorance of the subject, otherwise they would never have put forth those absurd laudations of the system pursued.

As a proof of the efficient ventilation of this mine, "H." states that on Friday (the 11th inst," the quantity of air passing along the east level of Nitshill Colliery was 14,400 cubic feet per minute, and that by natural ventilation." Taking this extraordinary statement as a true representation of the fact, will "H." be so good as to inform us how this quantity of air was obtained, and if it was not solely derived from the accidental difference of the temperature of the air on the surface with that in the mine? Presuming that he will obtain by "natural ventilation," when the atmospheres of the surface and the mine are of the same or of approximate temperatures? The solution of these queries can scarcely fail to convince "H." and the owners that such a system is not sufficient to ventilate a colliery. The temperature of the air in a mine does not vary considerably, whilst that on the surface undergoes great changes; and as "natural ventilation can only be carried into effect when the air on the surface is colder, and therefore denser, than that in the mine, it follows that the ventilation must have such a system is not effect, in hot or warm weather. On Friday, the 11th inst, the thornomater here was at 54°, whilst yesterday it was 64°, showing an increase of the persuance of the ventilation of the Nitshill. Colliery, and the cause of the hamman are as in winter, and that it is unaffected by an increase of the persuance of the ventilation of the Nitshill Colliery, and the c

# NITSHILL COLLIERY.

SIR,—While I do not doubt the statement of the quantity of air in Nitshill Colliery, as stated by your correspondent, yet would it be a very interesting point to know how and by what means, or process, it is produced. Is it the difference of temperature of the two shafts; or, is it that there exists at present some internal-fire, aging as a furnace? This is a matter involving a great principle; and while I would not willingly presson men in their present position, yet it requires investigation and solution.

April 29.

INOURER.

# VENTILATION OF COAL MINES.

VENTILATION OF COAL MINES.

SIR,—As an old inhabitant of this mineral district, I have attended several inquests on bodies of persons who met their deaths through firedamp explosions. In most cases, two-thirds of the lives of the men were lost by the "after" or choke-damp—the bodies being found generally of a heap near or at the bottom of the pit. I have always considered that a drift, in most cases, in this neighbourhood ought to be made into the workings, where the depth of the pit would vary from 40 to 100 yards; but have always been met with the observation, "Look at the expense." I believe that one-half of the lives of the men would certainly have been saved in some of the pits, if egress of some kind could be had. For this reason, I beg to throw out this hint:—Would it not be proper to recommend, if I beg to throw out this hint:—Would it not be proper to recommend, if no drift exists, a spiral stair in the inside walling of every large pit (say). I ft. rise, and about I yard wide, withopening at top and bottom—the sides to be so walled and secured as not to interfere with the working of the pit—which would act then as a ventilator, and likewise be an egress and ingress, at all times so much required, particularly in cases of fire and choke-damp, when the machinery generally becomes deranged?

A. Z. Glamorgan, April 21.

# RADSTOCK COAL-WORKS, SOMERSETSHIRE,

RADSTOCK COAL-WORKS, SOMERSETSHIRE.

Siz.—You have been induced to insert an article in your Journal of April 19, under the above head, conveying a statement totally false as to the wages of the colliers, which it represents as not sufficing to supply them with dry bread alone. They, doubtless, do not gain as much as in the midland and northern counties, where all labour is more highly remunerated; but whilst in agriculture only 8s. is paid for day labour, able-bodied, miners in the collieries under my superintandence gain 13s. on the average weekly for eight hours' daily work; inferior men in proportion, and boys on the following scale:—10 years of age, 8d.; 11, 10d.; 12 and 13, 1s.; 14,1s. 2d.; 15, 1s. 4d.; 16 and 17, 1s. 6d.; and 18 to 20 (carting boys), an average above 2s. The wages paid the "breakers" or howers, at one pit (the week preceding the strike) averaged 2s. 9d. per day of eight hours, which is sufficient evidence able-bodied men do not now gain

only 5s. 9d. per week. The fact is, that the colliers of Radstock have never been in so good a condition as at the present; they have for the pest two years had constant and increasing employment, and as their wages have not been reduced as in agriculture, they have had the full benefit of the low price of previsions, whilst the coals raised by them are sold for less money than formerly.—Charles Ashman: April 23:

## FLOATING OF SOLID ON FUSED METAL

Str. — A question of greater import to science than the above, mooted by Mr. Mushet, was never brought under consideration; and, although I practically deficient in the amount of information possessed by your, or correspondents, still it being identified with a fact I brought to light in 1848-that of the increase of weight in matter by contraction and com-

in 1848—that of the increase of weight in matter by contraction and compression—a suggestion from me may not be deemed altogether out of place, the more especially, as Mr. Mushet very properly observes, the main question in dispute is "whether solid or fluid iron is the most dense?" If the former, then all difficulty is removed; but if the latter, which I suspect to be the case, further investigation will be necessary.

In my liliputian experiments on lead, I put 9 lbs. into an iron pot; and when the metal was in a fused state, I transferred the pot and metal to the scale—repeated experiments having given an increase of weight, when cold, of about 60 grains, although I frequently observed, just before the point of crystallisation, that the fused mass appeared to lose weight; but of this I am not certain. I would, therefore, suggest as an infallible means of settling one point of the question, that about 1 cwt. or more of fused iron be placed on a scale, and the beam accurately balanced, and that the operation of cooling be carefully watched, any deflection being noted by peration of cooling be carefully watched, any deflection being noted by lacing in the lighter scale a weight sufficient to restore the balance—care leing also taken to prevent all action of the air on the fused metal, which

being also taken to prevent all action of the air on the rused metal, which may be done by covering it with an inch or two of coarse dry sand.

Now, as throughout the whole of the experiment there will be the same quantity of matter, if that matter either increase or decrease in weight, it will have become, during the operation of cooling, more or less dense. The crystallisation of water, I venture to suggest, affords no explanation of the fact under consideration, since water, during crystallisation, expands, whilst it appears from Mr. Musher's letter that iron contracts, besides which it is questionable whether, the lightness of ice he returned to sides which it is questionable whether the lightness of ice be referrable to its crystallisation, since water, in its decrease of temperature from 40° to 32°, likewise decreases in specific gravity or expands in volume. Its gases may, in fact, be supposed to assume that condition which, during the operation of evaporation (an electrical action not referable to heat), renders them of less specific gravity than air, and admits of their passing the point of eternal frost in the atmosphere without undergoing congelation,

noint of eternal frost in the atmosphere without undergoing congentation, or even condensation.

If my suggestion be worthy of consideration, both Mr. Mushet and Mr. Wood will, I am sure, put it to the test of experiment; and when this point shall have been determined, possibly means may be devised to obtain from the master or director of the Mint, Sir John Horschel, a reply to my letter of some months' standing, respecting the increase of weight in the "precious metals" during the operation of coining. Alas, the emoluments are gone!

Franklijk Coxworms. gone! Franklin Coxworth.
bury-place, Lambeth-road, April 20. Author of Electrical Condition

## IMPROVED METHOD OF TREATING SILVER ORES.

Mr. A. F. Gurlt, of Manchester, has just patented an improved method of extracting silver from argentiferous minerals. Before proceeding to a descrip-tion of his improvements, in his specification, and in order to exhibit more

IMPROVED METHOD OF TREATING SILVEIT ORES.

Mr. A. F. Gurti, of Manchester, has just patented an improved method of extracting silver from argentiferom universils. Before proceeding to a description of his improvements, in his specification, and in order to exhibit more clearly their distinctive peculiarities, the patentee alludes briefly to the principal methods hitherto sumpleyed, to effect, the same object. These are—

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PNEUMATIC SPRINGS:-Mr. J. Bernard, of Glasgow, has obtained a patent for improvements in pneamatic springs, buffers, pumps, and staffing-boxes. Mr. 

Bernard describes his invention as applied to a hydrostatic press. In this case, a flexible tube is applied inside the water cylinder, one end of the said tube being finstened at the betten of the cylinder, and the other end folded in and secured to the extremity of the ram—thus obviation the necessity of having a wateright stuffing-box. In working this press, water is forced intexthematerior of the finsible tube, discending it longitudinally, and scutating the remarkationed to it. A railway buffer is described as fitted with a flexible tube in a similar manner. A certain quantity of water is introduced into this buffer, to prevent the end of the rod coming home against the cylinder when under compression. If desired, the whole of the interior of the buffer may be filled with water, or compressed air may be employed in conjunction with a small quantity of liquid, in place of air at the ordinary pressure. These illustrations are deemed sufficient to show the manner of applying a flexible tube according to the patentee's method in other instances where the same may be employed.

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HUTCHISONISED STONE, BRICKS, &c.—TO LAND PROPRIETORS, ENGINEERS, ARCHITECTS, &c.—The SOFTEST STONE, CHAIK, GYPSUM, CLAY, SAND, &c., INDURATED AS HARD AS GRANITE—will never vegetate nor disintegrate, being impervious to atmospheric action, &c. For all Foundations, external and internal Buildings, Docks and Soa Walls, Sowerage, Paving, Decorative and Monumental Works, the HUTCHISONISED MATERIALS are unequalled for durability and low cost.—(See Testimoniais and Prices.)

PASTEBOARD, SOFT WOOD, and other ABSORBENT MATERIALS, rendered WATERPROOF, and imperishable from weather, vermin, &c.

LUCENESS GRANTED ON LIBERAL TERMS.

Apply to WM. HUTCHISON, Hutchisonised Stone Works, &c., Tunbridge Wells, Kent.

NEWALL v. WILKINS AND WEATHERLY.—This case was tried on the 20th and 21st of February, before the Lord Chief Justice of the Court of Queen's Bench and a Special Jury.—The action was brought for INFRINGING Mr. NEWALL'S well-known PATENT for UNTWISTED WIRE ROPES. The Plaintiff obtained a verdict on all the issues raised, which has fully confirmed his Patent right. Since this verdict was obtained, the Master of the Rolls has granted an INJUNCTION AGAINST the DEFENDANTS, to RESTRAIN them from MAKING these ROPES, or any way infringing the Plaintiff's Patent.

This is to CAUTION all PERSONS AGAINST MAKING UNTWISTED WIRE ROPES, and AGAINST BUYING, SELLING, or USING such ROPES, unless made by Mr. New, all, and those to whom he has granted licenses.

Patent Wire Rope Works, Gateshead, Feb. 26, 1851.

PATENT IMPROVEMENTS IN CHRONOMETERS, WATCHES AND CLOCKS.

E. J. DENT, 82, Strand; 23, Gockspur-street; 24, Royal Exchange (clock tower area), watch and Clock Maker, BY APPOINTMENT, to the Queen and his Royal Highness Prince Albert, begs to acquaint the public, that the maunicture of his chronometers, watches, and clocks, is secured by three separate patents, respectively granted in 1836, 1840, 1842. Silver lever watches, jewelled in four holes, 6 gs. cach; in gold cases, from \$\mathscr{x}\$\$ to £10 extra. Gold horizontal watches, with gold dials, from 8 gs. to 12 gs. each, or Meridian Instrument, is now ready for delivery.—Pamphilets containing a description and directions for its use 1s. each, but to customers gratis.

RAFALGAR LIFE ASSURANCE ASSOCIATION

TRAFALGAR LIFE ASSURANCE ASSOCIATION
OFFICES,—No. 40, PALL-MALL, LONDON.
This association has been established for the purpose of providing annuities to the share and policy holders in the event of pecuniary misfortune, incapacity, or old age; which are not liable to forfeiture in cases of bankruptcy, insolvency, or failure of any description—and also securing education, apprenticeship fees, or endowments to their children.—Detailed prospectuses, containing the names and addresses of the shareholders, rates of premium, an explanation of the system now originated, togetiser with useful information and statistics respecting life assurance, may be had on application to the offices. Combination policies, payable in the event of casualties of any kind totally disabling the assured, or death, are issued at moderate rates. This impuriant addition to the principle of assurance deserves the serious attention of persons in all positions of life. Immediate and deferred annuities are granted. All policies indisputable, whereby the power on the part of the office in resisting a claim under any circumstance whatever, is removed. Loans are effected on personal and other securities in connexion with life assurance.—Parties desirous of becoming agents or medical referees are requested to communicate with the secretary.

THOMAS H. BAYLIS, Resident Manager and Secretary.

E WERAGE OF LONDON.—The ATTENTION of the COMMISSIONERS appointed to determine upon the MOST EFFICIENT MATERIAL for the CONSTRUCTION of the SEWERS OF LONDON, is particularly directed to the ASPHALTE OF SEYSSEL, which more than any other material is applicable to the CONSTRUCTING and INTERNAL COATING of BRICK CULVERTS and OTHER CHANNELS for DRAINAGE.

The experiments made by the Royal Artillery on the embrasures of Plymouth Citadel, constructed of Seyssel Asphalte Brickwork, under the orders of the Hon. Board of Ordenaces, have fully proved the superiority, adheaiveness, and strength of Seyssel Asphalte over all other comentitious compositions. A printed account of these experiments can be had on application to Seyssel Asphalte Company—"Claridge's Patent"—Etablished 1838.

Note.—The application of the Asphalte of Seyssel is specially recommended by the Commissioners on the Fine Arts for covering the dess of closed gave ye ds, and for the construction of catecombe.

THE PATENT OFFICE AND DESIGNS REGISTRY,
No. 186, STRAND (removed from 210), LONDON.

INVENTORS will receive (gratis), on application, the OFFICIAL CIRCULAR OF
INFORMATION, detailing the eligible course for PROTECTION of INVENTIONS and
DESIGNS, with Reduced Scale of Fees.
Measur. F. W. CAMPIN and CO. Offer their services, and the benefit of many year.'
experience, in SECURING PATENTS and REGISTRATIONS OF DESIGNS, with due
regard to valibiry, economy, and dispatch—assisted by scientific men of repute.
Also, in MECHANICAL and ENGINEERING DRAWINGS, whether connected with
Patenta, Railways, or otherwise, by a staff of first-rate draftmuon.
Application personally, or by letter, to F. W. Casapin and Co., No. 159, Strand (removed from \$18), London.

OKEL TOR MINE.-Mr. CROFTS, with a strong desire to

KEL TOR MINE.—Mr. CROFTS, with a strong desire to introduce to his friends undertakings of only a first-rate character, has had the OKEL TOR MINE INSPECTED by Capt. JAMES OPIE, of Lamhercoe Wheel Maria, an agent of whose judgment and veracity Mr. Caorrs entertains the highest opinion, and is happy to find that the representations of the projectors of this mining sett are not only fully borne out, but, if possible, exceeded, by the Report of Capt. Opic, dated 5th April, 1851, of which the following is a verbatim copy.

4. King-street, Cheapaide, April 35, 1851.

"Lamherooe Wheel Maria, April 5.—In conformity with your request, I have carefully inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is situate between the Devon Great Consols, Gunnis inspected the above mine, which is mine and the mine consists of a level or adit being taken up from the River Tamar, and driven about 45 fathoms north on the course of the western lead lode into a high hill, which varies in size from 4 to 15 ft. wide, composed of a large portion of flookan, calcareous spar, first rate lead gossan, and in places disseminated throughout with lead. I saw both in the back and in the bottom of this level diggings made after the lead, and good specimens of lead are accessible now.

An engine-shaft is being sunk in the slope of the hill, which levels with the adit 10 fms. below the adit, this said shaft is now in

that if these lodes are opened a moderate depth, that favourable discoveries will be made, and I would recommend it to my greatest friends on fair terms.

JAMES OFIE.\*

OKEL TOR SILVER-LEAD AND COPPER MINE,—
In the parish of CALSTOCK, CORNWALL, adjoining the celebrated Tamar Consols and South and East Tamar Mines.
In 2048 shares—1024 of which are to be allotted to the public.—Deposit 10s, per share.

COMMITTER OF MANAGEMENT.

JOHN BAYLEY, Esq., Plymouth.
H. A. HARVEY, Esq., Plymouth.
COMMITTER OF MANAGEMENT.

JOHN BAYLEY, Esq., Plymouth.
H. A. HARVEY, Esq., Plymouth.
Consulting Engineer.—Evan Hopkins, Esq., F.G.S., 13, Austinfiars, London.
Purser—Mr. William Channing, 7, South-street, Exeter.

Managing Agent—Captain W. B. Collom.

Bankers—Devon and Cornwall Banking Company, Plymouth.
Secretary—Mr. J. Jury, Exeter.

This MINE is situate in the parish of CALSTOCK, by the side of the navigable River Tamar Mines, whose riches are too well-known to need comment. The silver-lead ore, discovered at a shallow depth, are of an exceeding rich description, producing at least 37 ounces of silver to the ton.

The great cross-course of Devon Great Consols, running throughout this sett, is stated and relied on, by all practical men who have inspected it, to make as great a mine for lead as the Devon Great Consols is for copper. At this point we beg to draw your particular attention to Mr. E. Hopkins' report—inself and all parties agreeing this is the best unwrought piece of ground in Devon or Cornwall.

In fact, since he inspected the mine, a new discovery has been made, by cutting a lode 4 feet wide, only 10 ft. east of the engine-shaft, composed of prian, sugary-spar, horn-spar, and flookan; the water from the lode prevented more being done until an engine is receiced. A smith's shop, office, and material house have been already built, and an exceeding quay erected, at which vessels of 200 tons can load or discharge all materials necessary for the mine, as well as deliver the coal required for the engine, at a saving of nea

surface damages.

There are already 1024 shares in the hands of the original adventurers, which are reserved free up to £6 per share. For the purpose, therefore, of reimbursing the sum of £1000, the cost of sett, and to meet the necessary expenses of carrying on the works of the mine, it is now proposed to issue the remaining 1024 shares, on which calls, if required, will be made up to £6 per share, independent of the deposit, which will pay for preliminery expenses, and the balance carried to the account for working the mine; and in the event of any further outlay being necessary, calls will be made rateably on the whole 2048 shares.

Easy investments like the present are offered to the public in shape of mining, for it is

in the event of any further outlay being necessary, calls will be made rateably on the whole 2048 shares. Few investments like the present are offered to the public in shape of mining, for it is mere than confidently expected that only £4 per share will be required, for the erection of a steam-engine, and to put the shaft down to the requisite depth, before riches of an extraordinary description will be developed, to enable a dividend to be declared. Such are the not too sanguine expectations of the present holders.

Parties desirous famaking further inquiries as to the value of this property, are requested to address Evan Hopkins, Esq., 13, Austinfriars, London, who will be happy to furnish every information required.

There are upwards of 300 shares already subscribed for by the most respectable parties in Exeter; and application for the remainder can only be made, with references, to Mr. James Crofts, 4, King-street, Cheapside, London; Mesars, Sims and Co., Tavistock; the Purser, 7, South-street, Exeter; or the Secretary, at the office of the company, 3, Castle-terrace, Exeter, where prospectuses may be obtained, together with a map of the mine.

[See Reports in Mining Journal of 12th April.]

CEFN GWYN SILVER-LEAD MINE, CARDIGAN, WALES.

Now divided into 5000 shares, of £1 each, instead of 2500 shares, at £2 each, CEFN GWYN SILVER-LEAD MINE, CARDIGAN, WALES.

—Now divided into 5000 shares, of £1 each, instead of 2500 shares, at £2 each,
The present shareholders retaining the 2600 shares as held by them originally, thus
leaving 2400 shares to issue at £1 per share, for the purpose of realising funds amply
sufficient to pay the future workings of the mine, and for building and fixing the requisite
machinery now required for dressing the ores and raising them to the surface, &c., and
for bringing this valuable mine into a profitable and dividend-paying state without
further calls.

The Committee of Management and Trustees to be chosen from the body of shareholders,
at a meeting to be called for that purpose.

Bankers—The Royal British Bank, Lothbury, London.

Secretary—Mr. J. Bowes.

Managing Agent—Capt. Sampson Trevethan.

OFFICES OF THE COMPANY,-51, THREADNEEDLE-STREET, LONDON.

OFFICES OF THE COMPANY,—81, THREADNEEDLE-STREET, LONDON.

This sett is, and has been for more than two years, held under lease granted by W. C.
Gilbertson, Esq., at 1-12th dues, and extends 3‡ miles on the course of the lodes, and
unwards of half a mile in width, and is situate near to the most productive silver-lead
mines in Wales, including East Daren, Cefn Bruno, Goginan, which has divided £44,000,
or £440 per share, Lisburne, which has also divided £62,000 in dividends, equal to £520
per share, and other rich and dividend-paying mines.

There are several lodes running through this very extensive sett, averaging from 6 to
8 feet wide, composed of killas, with a large portion of jack and spar, and internized
with good branches of silver-lead ore; the ground throughout being most congenial for
silver-lead, precisely of the same character prevailing in the most productive mines of
this celebrated district.

Since the commencement of the company's operations, we have delegated the set of the commencement of the company's operations.

silver-lead, precisely of the same character prevailing in the most productive mines of this selebrated district.

Since the commencement of the company's operations, we have driven east on the lode in the addit level 30 fathoms, and which is 3 feet wide, composed of jack and spar, with good branches of silver-lead, from which we have a silver and to the surface.

There is also a shaft ann't 7 athorn below the addit level, 8 feet deep and 6 feet wide, which is fully adapted for any size lift of pumps and shaft goar, with a ladder way for the men; there is also a powerful water-wheel now on the mine, capable of drawing the water, crushing, and for all purposes that may be required; also, a never-failing supply of water running through the soft, called the Leary, rendering steam-power quite unnecessary. On the western side of the river we have also driven a level 40 fathoms on the course of the same lode, where it maintains its regular size and quality, with good bunches of ore, averaging from 7 to 8 feet wide; it being seldom known to fall that a champion lode like this should prove otherwise than a good one, and to warrant rich deposits of ore in depth, and entirely through this most extensive and valuable sets, it having been pronounced by the most experienced captains and agents in Wales to be as good a mine as any in the country.

The metalliferous district of this set, together with its relative position in connection with the rich and productive mines in this neighbourhood, the never-failing supply of water, the facility of carriage (being within six miles of a shipping port), and with every advantage for working such an extensive concern as this is likely to be, renders it unnecessary to doubt but that this mine will prove one of the best in the district.

Applications for shares made to T. Faller and Co., 51, Threadneedle-street, London; Mr. James Lane, 63, Threadneedle-sireet; and Mr. Thomas Jordau, 75, Old Broadstreet, City; where specimens of the ore already raised may be seen, and every information o

Mr. James Lane, 52, Threadneedle-sireet; and Mr. Thomas Jordan, 75, Old Broadstreet, City: where specimens of the ore already raised may be seen, and every information obtained.

Tablesin, Wolfe, March 12.—In handing you a report of this mine, I beg to say that from the commencement of working, in Norember, 1848, we have extended on the lode in the acti level east, from a cross-cut which was driven by the old men about 80 years ago, 30 fathoms, averaging full 8 feet wide, composed of killas, with large portions of lack and spar, intermixed with good branches of siver-lead ore, several tons of the latter being now on surface. Not finding much improvement in driving this level, we commenced sinking a shart on its course, 8 feet long and 6 feet wide, capable of taking all necessary machinery for drawing the water, stuff, and other purposes, to any extent: this shaft is now down below the level 7 fathoms, and in sinking we found the lode varying from 7 feet to 8 feet wide, and much improved in appearances in the least 6 feet, yielding at present 10 cvts. of ore per fathom. The water becoming so powerful, we could not work to any advantage without machinery: in consequence, we commenced building a new wheel, which is now finished, of sufficient power to pump the water and crash the stuff: we have a powerful stream of water at all times of the year running, through the centre of this sett, called the Leary, rendering steam-power unnecessary. West of the river, from the bottom of the hill, and about 100 fathoms from the above averaging in size from 7 to 8 feet, composed of killas, spar, and good branches of silver-lead ore, good specimens of which are now to be seen on the mine. There are several other lodes to be seen in this sett of a vary promising appearance. It catends, with the new addition of ground to be included in your lease, three lies in length on the run of the lodes, and upwards of half a utile in breadth; the ground is all taken up run of the lodes, and upwards of half a utile in breadth; the ground is

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Labor Appli broker, TREVISSICK CONSOLS MINE.—
Divided into 1024 abards.

CONDUCTED ON THE COST. BOOK PRINCIPLE. 64

CONDUCTED ON THE COST-BOOK PRINCIPLE.

This Mine is situated in the scath-portion of the parish of St. AUSTELL, in the county of CORNWALL, and in the vicinity of several of the best copper mines in that part of the county—viz.: Apple Tree, Old Crimits, East Crimits, Pembroke, Par Consela, and hald under Isase from the Deeby of Cornwall, &c.

The sett is very extensive, and contains several cast and west lodes, running parallel to the lodes of the rich mines above—mentioned, besides a caunter or oblique vein, which crosses all the others, and is of itself a lode of great promise, the advantages of working equalled by few, if any, mines in the county.

This undertaking has been prosecuted for some time past by a few respectable parties, who are destrous to increase their proprietary for more extensive operations, and are disposed to part with a portion of their interest on advantageous terms.

Apply to Mr. Richard Thomas, mining offices, 8, George-yard, Lombard-street.

WHEAL ZION COPPER AND SILVER-LEAD.
In 4996 shares—£I 10s. per share.
On the "Cost-book" Principle, and subject to the Stannary Laws of Cornwall.
Liability limited to 30s. per share.

Liability limited to 30s. per share.

Mine Agent—Capt. S. Vivian.

Bankers—West of England Banking Company, and Means. Glyn and Co.

Committee of Management—To be selected from the shareholders.

Situation—Twelve miles from Plymouth and Four from Tavistock.

Exent—330 acres. Length of Lease—21 years, from June, 1850.

England Discovered—16 lodes of copper ore and 5 lodes of silver-lead ore; 1 copper lod 13 ft. wide, discovered in March, 1851, is not surpassed, so near the surface, by at lode in Cornwall or Devonshire.

WHEAL ZOON is 1 in from the Davon Great Cornels, which it resembles to the

NHEAL ZION is 1½ mile from the Devon Great Consols, which it resembles in strain and apparent productiveness. The shares in that mine (£1 paid) are now worth £300 per share. The adjoining mines will drain Wheal Zion to a considerable depth.

Prospectuses may be had, and full reports and specimens seen, at the offices of Mr. R. P. Lemon, North Farade, Bath; Mesars. Edwards and Son, Bristol; and Mr. R. Johnston, Shortar's-court, Throgmorton-street, London—to either of whom applications for shares may be made.

LAMPEN CONSOLS COPPER MINE,

Divided into 5000 shares.—Deposit £1 per share, which includes a call of 5s. per share
for working expenses.

COMMITTEE

HENRY ASHLEY, Esq., Windmill-street, Gravesend
FRED. REYNOLDS, Esq., 15, Old Broad-street, London
J. RICHARDSON, Esq., Eaton-street, Pimilco, London
WILLIAM WILSON, Esq., Richmond-road, Barnsbury
Barclay, Bevan, and Co., Lombard-street, London; Devon and Cornwall Bank, Liskeard

Purser—E. Anson Crouch, Liskeard, of West Caradon
Managing Agent—Captain Henry Taylor, of West Caradon
Screetary—Mr. H. Peet, 48, Threadneedle-street, London;
This mine is held under a lease at 1-20th dues. And extends about a square mile; there

Managing Agent—Captain Henry Taylor, of West Caradon Screetary—Mr. H. Peet, 48, Threadneedle-street, London
This mine is held under a lease at 1-20th dues, and extends about a square mile; there are several very promising lodes in this sett, which have been worked on for marquisite, or white mundic, only to the depth of 26 fathoms, and which have produced such large quantities of metal extracted therefrom.

There is another engine-shaft sunk 36 fathoms deep, and levels driven east and west about 10 fathoms, from which it is confidently assumed that large courses of copper ore about 10 fathoms, from which it is confidently assumed that large courses of copper ore about 10 fathoms, from which it is confidently assumed that large courses of copper ore about 10 fathoms, from which it is confidently assumed that large courses of copper ore versum with mining that mineral rides a good horse; and it is also anticipated, that if silver could be extracted from this mandic some years ago, so as to give a profit to the adventurers, it will, in the present improved state of chemical knowledge, now be rendered a source of very considerable gain.

It is now proposed to clear up the shaft 36 fathoms, by the aid of a powerful waterwheel now on the mine, which is of sufficient power to sink the mine much deeper. The outlay of the former adventurers has been very considerable in sinking the ahafts, driving levels, and erecting of buildings on the mine, the whole of which are available for bringing the mine into a view will be amply sufficient to bring the mine into a dividend-paying state.

West Caradon, Feb. 24.—This sett is situated in the parish of St. Neot, Cornwall, and lies directly south of, and contiguous to the Wheal Caroline, formerly Wheal Mary Consols: it is bounded on the east by two setts, called fin Hatches and Wheal Noble. This sett possesses three lodes of an east and west bearing, which are parallel with the lodes in the fore-mentioned mine (Caroline). The stratum is a metalliferous clay-slate, at about one mile south of the granito. These lodes were wrought some years ago to a depth of 16 or 20 fathoms; and, although I cannot speak from personal knowledge of the prospects of this mine, as left by the former party, yet, being present when an old miner, called Treberth, who is now confined to his room through illness, and who is well acquainted with the mine, gave a favourable statement, and from what I have heard from others, I am led to conclude that the mine is worthy of being resumed, especially as it can be worked to advantage by a large and powerful wheel, which is fixed in a good position for forking the water; the expense of flat-rods, and a lift of pumps, would be comparatively little when compared with the advantages likely to accrue from properly opening the mine.

\*\*ROBERT DUNSTAN\*\*

position for forking the when compared with the advantages likely to accrae from proving the mine.

ROBERT DUNSTAN.

Alternum, Nov. 3.—Lampen Consols middle engine-shaft is 36 fathoms deep; the bottom level is extended about 10 fathoms east and west; the lode in this level is large and kindly; there is another shaft to the west of the engine-shaft, sunk to the depth of 26 fathoms; between these two shafts we had a good course of ore, from 2 to 3 feet wide, in the back of the 26 fathom level; we land also ore in the back of the 10 fathom level. We did not drive match in the levels; we sunk the shaft 10 fathoms, and took away several hundred tons of ore from the backs, both in the new and old workings; the quality of the ore from this lode, at least a great proportion of it, was very superior. The mine was drained by the aid of a water-wheel—the water in the mine was very casy. I would strongly recommend you to explore this middle lode; it is very promising, and has produced a great quantity of ore in proportion to the ground expended.

W. TRENBERTH.

Applications for shares to be made to Thomas Fuller and Co., 51, Threadneedle-street London; J. Sims and Co., Tavistock; and H. Peet, secretary, 48, Threadneedle-street London, where plans and specimens may be seen.

WHEAL RUTH (TIN),—SHEEPSTOR, DEVON.
of which 2700 will be disposed of at £2 per share, which includes all calls up to the
present time.

CONDUCTED ON THE COST-BOOK SYSTEM.

CONDUCTED ON THE COST-BOOK SYSTEM.

PURSER—John Mayhew, Esq.

BANKERSS—London and County Bank.

OFFICES,—51, THREADNEEDLE-STREET, LONDON.

Imine is held under a lease for 21 years, at 1-20th dua.

OFFICES,—51, THREADNEEDLE-STREET, LONDON.

This mine is held under a lease for 21 years, at 1-20th dues, and an anmal rent of £5, and is situate in the parish of Sheepator, in the county of Devon; the sett is very extensive, being more than two miles in length, and about two miles wide, and includes a great number of iodes, almost all of which are found to be productive of tin, and in the centre of a good mining district.

The tin raised in this mine is of a very superior quality to that of any other in Devon, being the best grained tin, the market value of which is full £15 per ton more than common tin. The present price of this metal offers great advantage to capitalists investing their money in this company, as the price of the metal is likely to increase considerably. The stratum is a decomposed granite, having two large cross-courses running through this sett, and which is well known seldom falls of making rich bunches of tin, and especially in such a stratum as decomposed granite, which is found at this raine.

A considerable sum has been expended in the erection of the necessary buildings for the miners and other purposes, as well as for machinery. Several thousand pounds have been expended in sinking shafts, driving levels, &c., cross-cuts, bringing up the adits, the deep one being 30 fathoms from surface, and driven upon the course of the lodes 600 fathoms.

A shaft is now being sunk to intersect a champion lode at the north part of the sett,

the deep one being 30 fathoms from surface, and driven upon the course of the lodes 600 fathoms.

A shaft is now being sunk to intersect a champion iode at the north part of the sett, which has already been sunk upon 13 fathoms, from which lode good asving work to the sett, which has already been sunk upon 13 fathoms, from which lode good asving work with the sett of the set of the s

The present proprietors are willing to dispose of 2700 shares, at £2 each, and to retain 5200 shares, as strongly are they impressed with the value of this property, and from the many advantages which this unite possesses—having all needful machinery and materials, &c., for working—they have no hestatation in saying it must become a most productive and dividend-paying mine.

\*\*The sett is very extensive, and a great amount of work has been done. The principal operations have been confined to three lodes—the south lode, Michaelmas sinal lode, and Ayleborough morth lode. Several shafts have been sunk, and an adid driven on the course of one of the lodes about 600 fathoms, the which above the adit has to a considerable extent been stoped, and from the attendance of the settem of the south of the south of the south of the settem of the south EXTRACT FROM REFORT OF ME. JEHU HITCHINS.

Tavistock, April 9.—I have no hesitation in saying it must become a most productive and dividend-paying mine.

EXTRACT FROM REFORT OF ME. JEHU HITCHINS.

The sett is very extensive, and a great amount of work has been done. The principal operations have been confined to three lodes—the south lode, Michaelmus sinal lode, and Aylesborough north lode. Several shafts have been sunk, and an adit driven on the course of one of the lodes about 500 fathoms, the which above the adit has to a considerable extent been stoped, and from the attle and refuse I am led to suppose great quantities of tin have been raised; the quality of the tin is very superior. At the north part of the sett a shaft is now in-course of sinking, being down about 15 fathoms, and a cross-cut is being driven in the 17 fathom level I intersect a champion lode, which, from the stratum and the great amount of ancient workings on that lode, in the shape of burrows, and the rich atoms of in that have been found, leads to the fair expocantion that this lode will prove productive. I should advise the eastern part of the sett to be actively prosecuted, for which sufficient pumping and other power is available. The machinery on the mise is ample, and the clude at the superior staying, atom proves, and cottages for miners, are large and can be made complete. I should not forget to state that about the cross-course to the east the lodes have been found generally very productive.

COPY OF A EMPORT OF ABBART OF JOHN STAFF, ESC., M.D.

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The sample of "tin ore" sent to me, gives, on analysis, 34 per cent, of metallic tin.

Ton must consider this, then, as a most excellent and productive lode.

(Signed)

JOHN RYAN, M.D.

Laboratory, Royal Polytechnic Institution, Feb. 6, 1847.

PEMBROKE AND EAST CRINNIS CONSOLIDATED MINES, ST. AUSTELL, CORNWALL.

MINES-ST. AUSTELL. CORNWALL.

CONDUCTED ON 1HE COST-BOOK PRINCIPLE.

Divided into 10,340 shares.

Of this number 2240 shares are held by proprietors; 2000 shares have been already subscribed for at £2 10s. per share—leaving 600 shares to be disposed of—viz.,

£2 10s. per share.

BANKERS-Mossrs. Martin, Stone, & Co.

SECRETARY — Mr. James Bartlett Truscott.

BANKESS—Mesars, Martin, stone, & Co.

SECRETARY — Mr. James Bartlett Truscott.

OFFICES,—I, THREE KING-COURT, LOMBARD-STREET, LONDON.

These valuable Mines, now-consolidated, have been taken up by a number of gentlemen, at dues of 1-24th and 1-16th. The mines are closely connected and parallel with the Great Crimins Mine, and lie between that mine and Par Consols, which latter mine is niniversally known. Mr. Treftry's quays adjoin, being only haif a mile from the principal shaft; and, by means of a tramroad, which may be laid down at little case, the locality of the mines is the most advantageous in the county. One (70-inch) engine is in the course of crection, and another is contracted fore.—The following is Capt. Ruckarsb's report:

— Pembroke and East Crimis Consolidated Mines, and to offer a few remarks for our further proceedings. There are numerous advantages connected with these mines, as may be seen by the plans and sections where shafts are sunk, and cross-cuts partly driven, for the purpose of intersecting parallel index in both mines. At the old engine shaft, in Pembroke Mine, from present end of cross-cut, 40 fathoms at most in driving, would intersect one of the east Crimis lodes (north lode), and open a new mine for more than three-quarters of a mile in length. In the 100 fathom level, Taylor's shaft (Pembroke) is 60 fathoms are driven west on a lode varying in size from 6 feet to 14 feet wide. Here a cross-cut is driven from the said lode 16 fathoms south, which cross-cut, if continued 35 fathoms further, would come under the old engine-shaft above-mentioned (which shaft is only sunk 70 fathoms from surface), thereby opening a great deal of ore ground, not only in depth, but would also be productive along to surface. At Carlyon's shaft (Pembroke), from the 100 fathom level, a cross-cut is driven 28 fathoms north, where a lode is intersected from 12 feet to 14 feet wide—a good dregge lode. In driving about 20 or 30 fathoms east from the present end, we shall come in contact with the large slide wh

WEST CALLINGTON MINING COMPANY,

ON THE COST-BOOK PRINCIPLE.

ON THE COST-BOOK PRINCIPLE.

In 3000 shares...—Deposit 20s. per share.

\*\*TEPHEN BROAD, Esq., of Peckham, Surrey.

RICHARD W. DARE, Esq., of Queen-street, Cheapside, London,

A Finance Committee will be chosen at the First General Meeting of the Adventurers.

Bankers—The London and County Bank, London.

Conductor of Mining Operations—Arthur Dean, Esq., Tottenham, Middlesex.

Superintendent at the Mine—Robert Serjeant, Esq.

Conductor of Mining Operations—Attnut Dean, Esq., Tottenham, Middlesex.

Superintendent at the Mine—Robert Serjeant, Esq.

MANAGEMENT IN LONDON,—4, KING-STREET, CHEAPSIDE.

Serstary—James Crofts, Esq.

This mine, formerly Wheal Elizabeth and Comblawn, is situated about one mile from Callington, Corrawal, in a delightful valley contiguous to the Callington and Hombush Mines, now consolidated, on account of their proximity, under the management of Capt. William Lean, whose highly favourable report on this mine made in 1849 may be referred to. The lease is from the late Alexander Baron Ashburton, dated sth. Oct., 1845, for 21 years, at 1-15th dues, and renewable.

Previously to -its management as Wheal Elizabeth, the mine was in the hands of a private individual, who raised a large quantity of silver-lead ore from a shallow level in the present engine-shaft, by the aid of only rude machinery. As Comblawa Mine, nearly £5000 has been expended upon it in sinking, in the first place, another shaft to 22 fathoms deep, in ersecting a steam-engine of sufficient power to sink 100 to 100 fms., in clearing out the old shaft, on which it is erected, to the 20 fathom level, and in the progress of this work more or less daveloping the five silver-lead lodes proved to exist in the mine. The cost of the steam-engine, materials of every description, flat-rods of the most substantial character to connect the machinery of the two shafts, buildings all new and complete, to the late Comblawn Company, was upwards of £2700, which sum may be estimated as the fair present value of the mine, and machinery complete for all working purposes.

It is now proposed that the above sum of £5000 shall be subscribed by 5000 shares of

most substantial character to consect the machinery of the two shafts, buildings all new and complete, to the late Comblawn Company, was upwards of £2700, which sum may be estimated as the fair present value of the mine, and machinery complete for all working purposes.

It is now proposed that the above sum of £5000 shall be subscribed by 5000 shares of £1 each, out of which capital the sum of £5000 shall be paid to the present lessees of the mine, in cash, and the remaining £8001 in shares; the residue, or £2300, to be retained as a working capital, which it is considered will be ample to bring the mine into a productive state, and thus rendering any further calls unnecessary.

The mine, in its improved and advanced state, has been inspected by Mr. A. Dean, C.E., who has submitted a report and plan; the latter showing the course and direction of the five lodes and two caunter lodes intersecting this property, four of which lodes have been met with in the previous workings, and found to contain rich silver-lead ore. With the present powerful engine of 60-inch cylinder, the mine can be put into complete working order. In one smonth, and the proprietors feel confident that returns can be made within a short, period.

Applications for the shares may be addressed to Mr. John R. Vivian, 70, Durnford-street, Stonebouse, Plymouth, or the secretary in London.

Certificate receipts will be issued for the payment of the deposit of £1 per share.

Loudon, 24th April, 1851.

26. ARTHUR PEAN'S REPORT.

Tottenham, April 4.—The set its situate near Callington, Cornwall, in the parishes of Southell and Callington. Its greatest length upon the course of the lodes is 300 fms. There are seven lead lodes in the sett, which, commencing with the most northern, I shall call respectively Nos. 1, 2, 3, 4, 5, 6, T. The first five all bear a little south of east and north of west. Nos. 1 and 2 are large lodes, 30 fms. apart; both underlie north, the first 6 fm. in, and the second about 2 feet 5 inches per fathom, and upon these two the ol

WHEAL WILLIAMS (COPPER),-EAST CORNWALL.

CONDUCTED ON THE COST-BOOK SYSTEM.

Josiah H. Hitchina, Eaq., Consulting Engineer to the Devon Great Consols Mining Co.

BANKERS.
The Union Bank of London; the Devon and Cornwall Bank, Tavislock.

The Union Bank of London; the Davua and Cornwall Bank, Tavistock.

The engine-shaft of this Mine is distant only about 300 fathoms directly west of the engine-shaft of Great Wheal Maris (now Davon Great Consols), the two serts being divided by the River Tamar. Wheal Williams is situate at Lateliber, in the parish of Calstock, Cornwall. The sett is traversed by several lodes, two of which are a continuation of those which form a junction at Wheal Maris, but they have been only partially developed. All the lodes are intersected by a powerful cross-course about the middle of the sett. The engine-shaft is annk to the depth of 20 fathoms on the north lode, which is 5 to 6 feet wide, and the different levels driven, even so shallow, have yielded about 100 tons of good copper ore.

An engine-shaft has been sunk 30 fathoms on the south lode, which are now to be seen at the office. The accompanying Reports testify to the more than ordinarily good prospects of this mine, and in particular, the positive manner in which Capt. James Richards (the chief agent at the Davon Great Consels) speaks of the results, is very encuraging.

There are erected on the mine an engine-house, a 45-inch cylinder steam-engine, pumpa, and other measurabile, as well as a counting-house, milit's shop, and other necessary buildings. The exceedingly high terms upon which the former Company held the grant, rendered it inadvisable for them to conting-house, smith's shop, and other necessary buildings. The exceedingly high terms upon which the former Company held the grant, rendered it inadvisable for them to conting-house, and the materials, as well as a counting-house, and the material they eight be. These high terms areas from there being upwards of 50 applications for the cots at the time the late adventurers obtained it.

The present adventurers having obtained the sett with a considerable and a very important addition to it, together with the machinery, &e. (which the promoters putting god working order), at the moderate due so it islot, are wil

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REPORTS.

this mine.

REPORTS.

Devonshire Great Consolidated Copper Mine, Aug. 17.—Having been requested by the late company to attend occasionally for the purpose of assisting their agent in carrying out the operations of the Wheal Williams, I have had frequent opportunities of noticing the character and quality of the different lodes contained therein, and I now bog to forward you a detailed statement of the same.

Wheal Williams is situate at Latchley, in the parish of Calstock, in Cornwall, immediately adolping these mines, westward, and contains several lodes, two of them (being a continuation of those at Wheal Maria) having been parity developed. The engine-shaft is sunk on the north lode to the depth of 20 fathoms, and levels have been driven from thence both east and west. The 20 fathom level cast is only driven a few futhous from them continuation of the continuation of these and west. The 20 fathom level cast is only driven a few futhous from the shaft; the 20 fathom level west is driven a considerable distance. The lode throughout this driving is at least 5 feet wide, and composed of mundic, capel, peach prian, and copper ore in places, of rich quality. The shallow level, 7 fathoms from surface, is also driven a great distance from the shaft. The lode here is 6 feet wide, and expect which were a few futhous from the continuation of the contin

Wheal Williams, March 31.—Agreeably to your request, I have this day surveyed the above mine sett, and as far as a surface survey can admit of, the sett presents peculiar and interesting features, both in its geological and relative position to the neighbouring mines, being situate at a very favorable distance from the granite, occupying a beautiful pan of ground on the banks of the Tamar to the west, the stratum of which answers in character and appearance to the killas of Devon Great Consols; the lodes that traverse this sett are the continuation of those which have realized such extraordinary results on the opposite banks of the river. The striking resemblance on the backs, which cannot fail to be seen, the character of the gossan and halvans that remain, are conclusive evidences of the identity. Three lodes have been discovered, but only two operated on, and those to a very limited extent, the particulars of which I am not able to describe, nor can I give the exact quantity of ore returned; but on this head suffice it to say that at a very shallow depth a good course of ore has been discovered, which is of itself a proof that the lodes are productive, and justifies the opinion that this sett possesses prospects of no ordinary character and value; and I have no doubt that, under a well-directed and spirited operation, the most beneficial results will be obtained. The plant on the mine consists of a 45-inch cylinder engine, with some pitwork, muiths' and carpenter shops, counting house, &c. ROBERT DUNSTAM, Chief agent, West Caradon.

The reports of Mr. Arthur Dean, C.E., and Capt. Hambly, former agent at this zainey.

The reports of Mr. Arthur Dean, C.E., and Capt. Hambly, former agent at this mine, will be found in the prospectus, which may be obtained at the office.

GREAT BRYN CONSOLS COPPER AND TIN MINE, In the parish of WITHEL, near ST. AUSTELL, CORNWALL.

ON THE COST-BOOK SYSTEM.

In 6500 shares.—Deposit £1, which includes a call of 10s. per share. 3500 shares have already been subscribed for, and the remaining 3000 will be issued to unexceptionable parties.

to unexceptionable parties.

COMMITTEE.

WILLIAM CARREN, Esq., Wilton-place, Regent's-park

MALCOLM M'LEAN, Esq., 9, Bloomebury-place, Bloomebury-square, merchant

JOHN PARKER, Esq., Peckham, merchant.

Bankers-Messrs, Robins, Foster, and Co., St. Austell, Cornwall

Messrs, Williams, Deacon, and Co., Birchin-lane, London.

Solictor-William Mosson Kearns, Esq., 3, Bloomebury-place

Purser-Mr. William Lelean, 5, Crosby Hall Chambers, Bishopsgate-streef, London.

This Mine is situate in the parish of Withel, near St. Austell, in the county of Cornwall, and held under a lease of 21 years, from Messrs. Roberts, and Knight, at 1-18th dues.

The sett, which is of a considerable extent, cost, and west, contains about 300 acres of lighly mineralised ground, in which has been discovered five very promising copper lodes, which are a continuation of the Bodmin Wheal Mary lodes, carrying mundic, green carbonates, spar, peach, gossan, and interspersed throughout with good stones of yellow, black, and grey ore. Parallel with those are several tin-lodes of good promise, that have been only opened on the backs, but which will be cet at a lower depth by main adit. The lodes vary from 1 to 3 feet wide, and are embedded in a beautiful white and blue killas—a stratum congenial for the abundant production of minerals.

There are two clvan courses running through the sett, which forms a very important feature in the property, as, in every instance where they intersect the lodes, deposits of ore are invariably found. A considerable outlay has been made in driving the deep adit level, and cross-cutting to intersect the north lode—in doing which a fine pile of orey stuff has been raised. From the north lode some stones have been assayed, and found to produce 31½ per cast.

The amount subscribed per share is expected to erect the steam-engine, and will be

stuff has been raised. From the north lode some stones have been assayed, and found to produce 314 per cent.

The amount subscribed per share is expected to erect the steam-engine, and will be sufficient for the profitable working of the mine; when this is done, if present indications are realised, the profits will meet all further required outlay for machinery, and thus render any further call unnecessary; but if this expectation should prove too sangulae, the calls will not exceed 5s. per share, and at intervals of at least three months between each call.

each call.

The present proprietors of the mine solicit the fullest inquiry and Inspection. The anaxed reports, from gentlemen whose experience and character are so well known and Justi appreciated, places this adventure in a much more favourable position than mining operations can generally pretend to, and, consequently, the shareholders will be in a great measure free from the ordinary risks attending such investments. As a proof of the favourable opinion entertained of this undertaking, in the immediate neighbourhood of the mine 3500 shares are already subscribed for.

A relications for shares and promotions to the made at the offices of the Company.

Applications for shares and prospectases to be made at the offices of the Company, 5, Crosby-hall Chambers; to Messrs. T. Fuller and Co., 51, Threadneedle-street; to Mr. John Webb, jun., Lanives, near, Bodmin, Cornwell; to J. Sims and Co. Tavistock; to Messrs. Flint and Co., Hall; or to the solicitor—of the company, W. M. Kearns, Esq., 3, Bloomsbury-place, Bloomsbury-square.

REPORTS.

Wheal Mary Consols, March 13.—According to your request, I have carefully inspected the Great Bryn Tin and Copper Mine. The first point of examination was shallow level, driven south about 8 fathoms to intercept a copper ledg, where a pile of staff is on the surface; the above level is fallen in in places, so that I cannot report on the size of the lode, but the stuff from the lode is wery fine gossam, well filled with green carand driven south about 8 fathons to intercept a copper loide, where a pile of starf is on the surface; the above level is fallen in in places, so that I cannot report on the size of the loide, but the starf broken from the loid is very fine gossan, well filled with green cannot report on the size of the loide, but the starf broken from the loid is very fine gossan, well filled with green cannot report on the size of the loide, are embedded is a light coagerial killas. The next point of examination was the deep adit, and I observed in the open cutting the back of a large loide, composed of soft spar, peach, mande, black and grey ore, and am of opinion it will be a very producitive loide at a suitable depth. A cross-cut is driven to cut this loide about 10 fathons further east, when there will be about 9 fathons beak. The cross-cut is set at its per fathom. There are about 15 fathons of cross-cutting south from the present end of the main adit, to cut the lodes in the old workings on the south copper loid, and the brape of staffon the workings ontain fine specimens of copper. There are about 15 fathons of cross-cutting south from the present end of the main adit, to cut the lodes in the old workings for shown the feet of riving, and the atrants is much minoralised. On the week, a consider, the mine with its many lodes of tin and copper, with other rare local advantages, a very promising undertaking, and I should like to have an interest in the one connection of the start of the control of the contr

204	MINING JO	OURNAL, RAILWAY	AND COMMERC	CIAL GAZETTE.
Mining Grehange Offici	al Share List.	Mares, 240 Boacean (tin), St. Just	Paid. ( Last Price, Business Done. 10 10 12 10 12	4224 Wheal Trewane (silver-lead), St. Kew 14 24
	AY EVENING.—April 25, 1851.	1024 Bottle Hill (copper) Plympton	1	3300 Wheal Traccoli (tin), Lahivet, Bodmin   3   2   1   267 Wheal Tryphenh (tin and copper)   40   184   1024 Wheal Uny (tin and copper)   2   5   5   5   1024   1024 Wheal Uny (tin and copper)   2   5   5   1024   1
20 Alfred Consols (copper), Philliack	3 18 184 174 164	Dition Iron, Sew, regis, (iron)  Ditto ditto, serip  Broafloyd (lead)  107 Budnick Consols (tin), Perranzabulce  108 Budnick Consols (tin), Perranzabulce  1090 Case-Gynon (silver-lead), Cardiganshire  1000 Case-Gynon (silver-lead), Cardiganshire  1000 Cashook United (copper)  1000 Cashook United (copper)  1000 Cashoorne Consols (copper), Camborne  1000 Cashoorne Steam Coal (coal), Swansea  1000 Cashoorne Steam Coal (coal), Swansea	521 9 9	205 Wheal Typinent (th and copper) 3 5 5 1 1000 Wheal Vincont (tha), Alternam 74 6 1 128 Wheal Vinglet (th and copper) 5 3 5 5 1 1000 Wheal Vincott (than do cop), St. Stophens 5 3 10 10 5200 Wicklow (copper), Wicklow 5 19 10 10 10 10 10 10 10 10 10 10 10 10 10
Badford United (copper), Tavistock  Bedford United (copper), Tavistock  Berriow (copper), Liskeard  Black Craig (lead), Kirkeudbrightshire  Bodmin Consols (lead), Wadebridge  Botallack (tin and copper), St. Just 31:  Brewer (copper), Gwennap  Brytan (lead), Cavilicanshire	24 3 34 84 84	1000 Cae-Gynon (silver-lead), Cardiganshire 4000 Calstock United (copper)	\$ 4\$ 6	FOREIGN MINES. Paid. Present P
Botallack (tin and copper), St. Just 21: Brewer (copper), Gwennap Bridford Consols	6 220 7 74	1000 Camborne Consols (copper), Camborne 20000 Cameron's Steam Coal (coal), Swansea 1168 Caradon Great Cons. (cop.), Linkinhorne 1536 Caradon Vale (copper and lead), St. Ive	7 8 84 10 9 24 7 3	12000 Liguanea and General Mining Company of Jamaica 1
Bryn-Arian (lead), Cardiganshire	17	1536 Caradon Vale (copper and lead), St. Ive 1024 Cara Galver, Morvah	21 1	MEXICAN COMPANY.—The Directors hereby give Not that the ANDLE GENERAL MEETING of proprietors in this Company be HELD at the office of the Company on Thursday, the lat of May next, at One of the Company on Thursday, the lat of May next, at One of the Company on Thursday, the lat of May next, at One of the Company on Thursday, the lat of May next, at One of the Company on Thursday, the lat of May next, at One of the Company on Thursday, the lat of May next, at One of the Company on Thursday, the Company of the Company on Thursday, the Company of the Company of the Company on Thursday, the Company of the Company of the Company of the Company on Thursday, the Company of the Co
Carlington (lead and copper), Callington. 2s Carbona (tin and copper), Crowan 8 Carn Brea (copper and tin), Illogan 18	125	2000 Cassaudra Anne (lead & cop.), Stake Clim. 5000 Cefn Gwyn (silver-lead), Cardigan	5 14 14	be HELD at the office of the Company on Thursday, the lat of May next, at One o'e precisely, in conformity with the Deed of Constitution of the Company, at which mee an election will take place of a Director, in the place of Henry Wheeler, Esq., who resigned.—32, Great Winchester-street, April 19, 1851.  J. M. MAUDE, Secretary
Bridford Consols Bryn- Arian (lead), Cardiganshire Bryn- Arian (lead), Cardiganshire Bryn- Arian (lead), Menheniott Callington (lead), Menheniott Callington (lead) and copper), Callington. Carbons (tin and copper), Crowan Carbon Braon (lead), Cardiganshire Cem Braon (lead), Cardiganshire Comfort (copper), Gwennap Conderrow (copper and tin), Illogan Cook's Kitchen (copper and tin), Illogan Crane and Beiawss (corpore), Camborne.	70 65 95 112	1000 Copper Bettom (copper), Crowan 900 Court Grange (silver-lead), Cardiganshire 211 Craddock Moor (copper), St. Cleer	3 25 30 7 74 10 12 284 7	WEST WHEAL JEWEL MINING ASSOCIATION Notice is hereby given, that the ANNUAL GENERAL MEETING of shareholders will be HELD as the Company's Offices, as under, on Monday, the 12th May next, at Twelve for One o'clock precisely.  WM. NIGIGUESON, Secretary
Cwm Erfin (lead), Cardiganahira	31	3000 Carthew Consols (cop. & lead), Wadobridge 1056 Carvaunall (copper), Gwennap. 2000 Cassandra Anne (lead & cop.), Stoke Clim- 5000 Cefin Gwyn (silver-lead), Cardigaa 255 Chyprase, St. Enoder, Cornwail 1000 Copper Bettom (copper), Crowan 1000 Copper Bettom (copper), Crowan 1100 Court Grange (silver-lead), Cardiganahire 111 Cardidock Moor (copper), St. Cleer 1600 Cwm Daren 1600 Cwm Daren 1600 Cwm Selon 1600 Cw	84 104	57, Old Broad-street, April 21, 1851.
Cwmystwith (lead), Cardiganshire	A seem make the seem to be a se	5000 Dalrhiew (copper and lead), Brecon 5000 Devon Consols North (cep. and sillead). 768 Devon Great Tincroft, North Bovey	24 6	NEW WHEAL ROSE SILVER-LEAD MINE APPLICATIONS for SHARES in the ABOVE MINE to be made to Mr. ALF. LYE
Devon Great Consols (copper), Tavistock 1 Drake Walls (tin and copper), Calstock 6 East Basset (copper) Redruth 5 East Ballan (copper) was Badesth	310 305 3071 1 42 18 26	3000 Dairhiew (copper and lead), Brecon 5000 Devon Consols North (cop, and all -lead). 68 Devon Great Tineroft, North Bovey 1000 Dhurode (copper) Ireland. 180 Dolcoath (copper and fin), Camborne 122 Drift Moor (lin), Sancreed 1536 Duke of Cornwall (copper), St. Winnon.	252 17 17 1 1 14	BELLINGER, at the offices of the Company, 1, St. Michael's-alley, Cornhill, where ports, plans, and every information can be obtained.
Devon Breat Consols (copper), Tavistock Drake Walls (tin and copper), Calstock 6  East Basset (copper) Redruth 3  East Care (copper) Redruth 3  East Crowndale (tin), Tavistock 7  East Daren (lead), Cardiganshire 17  East Goddphin (copper), Crowan 17  East Gunn Lake Junction (copper)  East Pool (tin and copper), Pool, Illogan 24  East Seton and Wheel Maude Redruth 4	54 21 58 59	1024 East Balleswidden (tin) Sancroad	11 12 17	TREWAVAS COPPER AND TIN MINE,—BREAG CORNWALL.—ON THE COST-BOOK SYSTEM.  APPLICATIONS for PROSPECTUSES and SHARES to be made to Messra. WILK
East Gunnis Lake Junction (copper) East Pool (tin and copper), Pool, Illogan 24 East Scton and Wheal Maude, Redruth East Tamar Consols (silver-lead) 1	2 14 40s 41s 42s 156 160 21	2048 East Boringdon Park 128 East Carn Brea (copper), Redruth 1000 East Trescoll 256 East Tywarnihayle (copper), St. Agnes	1 21 81 9	SON, GURNEY, and STEVENS, No. 2, Nicholas-lane, Lombard-street, by whom evinformation will be given.  TYOODMAN'S WELL AND BROADRIDGE CONS
East Tamar Consols (silver-lead)	12 14 150 160	1000 East Trescoll 256 East Tywarnhayle (copper), St. Agnes 256 East Tywarnhayle (copper), Illogan 512 East Wheal Frances (copper), Illogan 512 East Wheal Josiah (copper), Tavistock 1024 East Wheal Margaret (thi and copper) 1000 East Wheal Reeth 1024 Exmoor Eliza (copper), Sonth Molton 1024 Freidd Llwydd Mines (tead) 1024 Freidd Llwydd Mines (tead) 1025 Garras (aliver-lead), near Truro 1026 Garras (aliver-lead), near Truro 1027 General Mining Co. for Ireland (copper) 1028 Georgia Consols (thi), St. Ive's		LIDATED COPPER MINES, -NEAR LYDFORD, DEVON.
East Wheal George (cop.), Waikhampton East Wheal Loisare (copper) 8 East Wheal Rose (silver-lead), Newlyn 80 East Wheal Russell (copper), Tavistock. Esgair Liee Lianfihangel-y-Croythin	16 550	1000 East Wheal Reeth 1024 Exmoor Eliza (copper), South Molton 6000 Forest (copper and silver-lead), Devon 1024 Freidd Llwydd Mines (lead).	44 3 3	Prospectuses, and reports by Mr. Evan Hopkins and others, may be had on applicate to Mr. James Crofts, 4, King-street, Cheapside, London.  The Gost-book, it is at present intended, will be finally closed in 14 days, and the if General Meeting held, when the mine will be put to work.—Applications for the remainders of the control of th
Fernhill (tin), Plymton	30	2560 Garras (silver-lead), near Truro 3750 General Mining Co. for Ireland (copper) 2500 Georgia Consola (tip.) St. Ive's	5i 4i 1i 5i 2i 7 7i	ing shares will be received in the interval.  CTART BAY SLATE QUARRY, STOKENHAM, SOUTH DEVO
Eagair Life Lianniangel-y-Croythin	1½ 2 1½ ½ 200	1000 C-DI 1- (-II- 1 1 0 0 1		ON THE COST-BOOK SYSTEM.—Dues 1-20th. In 3000 shares, of £2 each. £1 to be paid on allotment, and £1 within three months afterwards.—No further ca Secretary and Solicitor—James Nicholson, 90, New Bond street, London.
Grambler and St. Aubyn (copper) 30 Great Consols (copper), Gwennap1000 Great Wheal Alfred, St. Erth and Phillack 3	43 46 250	1024 Great Sheba Consols (tin and copper) 5000 Great Wheal Martha (cop.), Stoke Clims. 6000 Growa Slate Company, Camelford	5 89	Secretary and Solicitor—James Nicholson, 90, New Bond street, London.  Bankers—The Union Bank of London, and the Devon and Cornwall Banking Comps  Kingabridge, Devonshire.
Freat Wheal Baddern (tin and silver-lead) 20 Freat Wheal Rough Tor Consols (copper) 29 Sustavus Mines (copper), Camborne 64 Hawke's Point (copper), Tay Lelent	6 64	2000 Great Cowarde (diver-lead), Cardiganshire 2000 Great Cowarde (diver-lead), Merioneth 1000 Great Polgooth (tin), St. Austell 1012 Great Shebu Consols (tin and copper) 5000 Great Wheal Martha (cop.), Stoke Clims. 6000 Growa Slate Company, Camellord 1024 Hawkimoor (cop.), Calstock, Gunnis Lake 32 Helvellin Mining Company, Westmoveland 1800 Hennock (silver-lead), Hennock 1012 La Min (Gwineary, in and copper).	74 8 15 25 21 2	Bankers—The Union Bank of London, and the Devon and Conwall Banking Compa Kingsbridge, Devonshire.  On account of the favourable locality of this Quarry, on the sea cliff, and the corquent facility for shipping the produce and disposing of the rubbish, the slate can raised and sold so as to leave a profit of £50 per cent., after all charges, dues includer educated.
Heignston Down Con. (copper), Calstock 24 Herodsfoot (lead), near Liskeard 16 Holmbush (lead and copper), Calllegton	11 2 16 17 21 22	5000 Lampen Consols (copper), St. Nept	124 12 24 4 1 6	Prospectuses, with names of the committee, and full particulars, may be had of Secretary, as above; or of Archibald Hudson, Esq., 4, Angel.court. Throgmorton-gb.—to either of whom applications for the remaining shares may be made.
Great Wheal Rough Tor Consols (copper)  Sustavus Mines (copper), Camborno 6  Hawke's Point (copper), Clay Lelant 6  Heignaton Down Coit (copper), Calstock 7  Heignaton Down Coit (copper), Callington 1  Heignaton Down Coit (copper), Callington 1  Keswick (lead), Fortinesale, near Keswick 1  Lingsett and Betford (lead and copper) 3  Kirkendurfightshire (lead), Kirkeud 9  Lamheroos Wheal Marin (copper & thi) 1  Levant (copper and tin), St. Just 1  Levant (copper and tin), St. Just 1  Lewis (thin and copper), St. Erth 17  Lisburne (lead), Cardiganshire 9  Mendily Hills (lead), near Bristol 3  Mentlyn (lead), Flint 2	2 3 2½ 5a	5000 Low's Patent Copper Company	50 50 7 10 10 3½	are deducted.  Prospectuses, with names of the committee, and full particulars, may be had of Secretary, as above; or of Archibald Hudson, Esq., 4, Angel-court. Throgmorton-gb—to either of whom applications for the remaining shares may be made.  Reports and specimens of the slate may be seen at the office of the Company.  Extracts from Report of Mr. Thomas Teaque, formerly of Delabole Slate Quart Cornwall:—"The quality of the slate is of a most superior kind, and I do not know any slate in Devon, Cornwall, or Wales, that excels it. The slate stands on its edge, as to the quantity, I should say it is nulmited. I doubt whether any other quarry compets with this in consequence of its advantages for working, and simpent at 0
Lamilerooe Wheal Maria (copper & tiu) 11 Lelant Consols (tin), Uny Lelant 57 Levant (copper and tin), St. Just	11 22 175 29	256 Mineral Court (tin), near St. Austell 10000 Mining Co. of Ireland (copper, &c.) 1024 Moditonham & Marrabro' (copper & lead)	251 ··· 15 ··· 51 7 ··· 5 ··· 51 12 ··· 21 3 ··· 51	any siste in Devon, Cornwall, or Waies, that excets it. The siste stands on its edge, as to the quantity, I should say it is unlimited. I doubt whether any other quarry compete with this, in consequence of its advantages for working, and shipment at 0 crum the quarry."
Jewis (tin and copper), St. Erth	720 8 8	aminerar Court (tin), near St. Anstell  Odolo Mining Co. of Iroland (copper, &c.)  1024 Moditonham & Marrabro (copper & lead)  160 Morvah Consols (tin and copper),  320 Nansegollan (tin and copper), Camborne  200 Nanteos (tead), Cardiganshire  3000 Nant-y-Car (copper), near Rhayader	3 5 34 30	DOLANGWYN SLATE QUARRY, NEAR ABERDOVE NORTH WALES,
ferlyn (lead), Flint 24 fill Pool (tin and copper), St. Hilary 1 folland	11.12 to 8 1 avail to 1 avail to 1	New Copper Bottom (copper) Bridestowe New East Crowndale (copper and tin)  North Fowey Consols		TO CAPITALISTS AND OTHERS SEEKING INVESTMENT.
derlyn (lead), Flint Mill Pool (tin and copper), St. Hilary Molland (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	12 13 12 15	2000 North Levant (tin and copper), St. Just 256 North Trefusis (tin and copper), Redruth	14 · · · · 8 · · · · · · · · · · · · · ·	A fine SLATE PROPERTY, in NORTH WALES, now presents itself to the note the public, it is only 7 miles datant from a shipping port (Abordovy), with a furriplise-road the whole way—at which port the Slate and Slab can be shipped at a stearest freight, either for London or Liverpool.  The joints in the Quarry are very good, and the metal (a bright blue, and free fr
orth Wh. Buller, or Gt. South Tolgus 6 orth Pool (copper and tin), Pool 45 orth Roskear (copper), Camborns 10	14 500 160	1024 North Wh. Robert (copper), Walkhampton 512 Old Brimpts (tin), Lydford, Ashburton 2048 Okel Tor (lead)	1 12 2 1 12	spots) is equal to any produced in the Principality. The extent of the vein is about three-quarters of a mile in length, by an average wife of from 20 to 30 yards; and, from the favourable position and inclination of the vein.
orth Tolgus (copper), Redruth	650	1000 Pendarves and St. Aubyn (tin and copper) 4934 Pennant and Craigwen (lead) 2048 Pentire Glaze(silver-lead), St. Minver 1024 Penzance Consols (tin), Sancreed	5 10 12 11 3 3 54 7 24 22 3	that can be wished for, and the space ample for centuries.  There is water-power sufficient for all purposes of machinery within about 250 ya of the Quarry, to which an incline can be made at a triffing expense.
enhauger	5 6	1000 Pen-y-bank and Erglodd (lead)	4 6 21 45	It is proposed to put this property into 4000 shares, at £5 each. The allotment of aha will take place in the early part of the next month (April). A deposit of £1 los. I share will be required upon allotment, and no call to be made at a less interval than the
outh of Scotland	\$ \$ 1 120 2 24 1		14 ···· 5 ····	turnpike-road the whole way—at which port the State and State can be shipped at a a derate freight, either for London or Liverpool.  The joints in the Quarry are very good, and the metal (a bright blue, and free fre spots) is equal to any produced in the Principality.  The extent of the vein is about three-quarters of a mile in length, by an average wid of from 30 to 30 yards; and, from the favourable position and inclination of the vein, can be opened and wrought at a comparatively small outlay. The fall for refuse is that can be wished for, and the space ample for centuries.  There is water-power sufficient for all purposes of machinery within about 250 yas of the Quarry, to which an incline can be made at a trifling expense.  It is proposed to put this property into 4000 shares, at £5 each. The allotment of a has will take place in the early part of the mext month (Aprill). A deposit of £1 lost, share will be required upon allotment, and no call to be made at a less intervalthan the months, and then only of 10s, per share, with the full consent of a majority of a sense than the conting, to be called for that purpose.  A General Meeting will be called within 14 days after the allotment of the shares, what trustees and a managing committee will be chosen from amongst the shareholders present Lary, at the offices of the Union Mining Company, of Austinfiars, London.  CHARLES WHEATCHOFT, Secretary.
uth Tolgus (copper), Redruth 16 uth Trelawny (lead), near Liskeard 33 uth Wales Mining Company (lead) 1	160 165	17000 Polberro (tin), St. Agnes 12000 Polgear (copper and tin) 1024 Praed Consols (tin), Towednack 2500 Rhoswydol and Bacheiddon (lead) 1 10000 Rhymney Iron (iron), Rhymney 50000 Phile St. Agnes 17 10000 Phile St. Agnes 1	1 3 1 1 <i>l</i> 1 <i>s</i> 10 <i>s</i> 12	Applications for shares (not less than five), prospectuses, &c., to be made to the Sectary, at the offices of the Union Mining Company, 5, Austinfriars, London.
outh Wheal Frances (copper), Illogan . 80 outh Wheal Josiah (copper), Calstock . 2 marne Consols (tip), St. Just	290 295 305	0000 Ditto New	7 3 44 3 34 44	STIRLING'S PATENT ALLOYS.—RAILWAY CAI RIAGE BEARINGS, MILL BRASSES, and all DESCRIPTIONS OF CASTING are MANUFACTURED by ALFRED BARRETT, Bishopagate Foundry, Skinner-street
. Aubyn and Grylls (copper and tin) . 25 Lives Consols (tin), St. Ive's	4a 10 10 10 10 10 10 10 10 10 10 10 10 10	1024 Sidney Godolphin (copper), Breage 10000 Silver Valley & Wh. Brothers (cop. & tin) 1048 Snowdon (copper), Carnarvonshire	24 21 1 11 3 —	are MANUFACTURED by ALFRED BARRETT, Bishopsgate Foundry, Skinner-stress Solz Licensize For Lordon.  BELLS of very superior quality (Stiring's Patent) are also SUPPLIED.
unar Consols (silver-lead), Beeralston 4  vy Consols (copper), near Tavistock 8  neroft (copper and tin), near Pool 7	6 6	256 South Friendship Wh. Ann (copper & tin) 3 256 South Friendship Wh. Ann (copper & tin) 3 250 South Plain Wood (copper), Ashburton	10 28 30 7#	Grad Hoyala Sew Patents. Tolk . A H. H.
annack and Bosence, St. Erth 1 rebarvah, Perranuthnoe	8 8	300 South Speed (copper and fin), Uny Lelant 1 280 Spearne Moor (copper), St. Just 3 999 St. Minver Consols (silver-lead)	15 30 1 5 8 3½ 3½	THE OF DATENCE COANTED DUDING THE PAST WEEK.
egorden (silver-lead) Wadebridge · · · 10 ehane (silver-lead), Menheniot · · · · · · 1½ sleigh Consols (copper), Redruth · · · · 6	15 14 12 20 21 2 24 25	024 Trannack United Mines (tin and copper) 2048 Trebell Consols (tin and copper), Lanivet 1 324 Tremar (copper), Liskeard	1 14 14	B. Stones, of Warwick-street, Golden-square, Middlesex, for improvements in the and treatment of peat and its products, and other carbonaceous matters; and also apparatus applicable to such and other chemical purposes.  H. Schröder, of Bristol, for improvements in manufacturing and refining sugar.  A. V. Coutant, of Paris, France, ironmaster, for an improved mode of partially hardeness.
elusback, Stithians, Cornwall 4 elyon Consols (tin), St. Ive's 4 esavean (copper), Gwennap 20	5 6 11	512 Trethevy (copper), St. Cleer	84 64 25 9 2 23	A. V. Cottant, of Paris, France, irolinascer, for an improved motion parameter in giron for various purposes.  T. G. Barlow, of Bucklersbury, London, civil and consulting gas engineer, and S. Go of Park-road, Old Kant-road, engineer, for improvements in the treatment of cert
rethellan (copper), Gwennap	215 210 95 11	1000 Tyn-y-Worglod (slate), near Carnarvon 500 Tywa:nhayle (cop.), illogan & St. Agnes. 7: 1024 United Mines (copper and tin), Tavistock 1: 1000 Warleggan Consols (copper)	0 314 10 10	anbstances used in the production of gas for giving light and heat, and of some of products of the said substances, as also in the apparatus employed in the manufacture such gas, and in discharging and giving motion to gas.
ellington (copper & tin), Perranutinoe 61 cest Alfred Consols 52 cest Buller (copper), Redruth 10	9 50	1000 West Basset (copper), Illogan	9 501 2 14	C. Hardy, of Low Moor, York, engineer, improvements in the manufacture of scyth R. Nowell, of New York, in the United States of America, lock manufacturer, and citizen of the said States, for new and useful improvements in the construction of lock the said States, and useful improvements in the construction of lock.
est Caradon (copper), Liskeard 20 est Ding-Dong (tin) est Par Consols (copper), St. Blazey 10	1174 1184 20	512 West Fowey Con, (tin & cop.), St. Blazey 4048 West Goginan (silver-lead), Cardiganshire 020 West Nantymwyn ————————————————————————————————————	16 60	and in boilers, in pumps, in safety valves, and in wheels and axise.  W. Smith, Snow-hill, gas-meter maker, and T. Phillips, Brighton, gas-fitter, for cert improvements in apparatus for heating, ventilating. and cooking by gas.
est Seton (copper), Camborne 67 est Tolgas (copper), Illogan 13	123 10 3 30	024 Weston (lead), Cherbury, Shropshire 226 West Sharp Tor (copper) Linkinghorne 22000 West Shepherd (silver-lead and copper) 92000 West Phoenix, Linkinghorne	2 49 23 2	A. V. Contant, of Parls, France, ironmaster, for an improved mode of partially hard ing iron for various purposes.  T. G. Barlow, of Bucklershury, London, civil and consulting gas engineer, and S. Ge of Park-road, Old Kent-road, engineer, for improvements in the treatment of cert aubstances used in the production of gas for giving light and beat, and of some of products of the said substances, as also in the apparatus employed in the manufacturs such gas, and in discharging and giving motion to gas.  C. Hardy, of Low Moor, York, engineer, improvements in the manufacturer, and the said States, for new and useful improvements in the manufacturer, and citizen of the said States, for new and useful improvements in the construction of low W. Andrews, George-street, Westminster, for certain improvements in steam-engiand in boilers, in pumps, in safety vaives, and in wheels and axies.  W. Smith, Snow-hill, gas-meter maker, and T. Phillips, Brighton, gas fitter, for certain provements in apparatus for heating, ventilating, and cooking by gas.  R. H. Nicholls, Pinilico, Middlesex, gentleman, for improvements in machinery giving motion to agricultural and other machinery.  J. C. Robertson, of the firm of J. C. Robertson and Co., Floet-street, patent ager for improvements in musical instruments.
est Wheal Jewel (tin and copper) 12 est Wheal Treasury (copper), Gwinear 8 heal Fortescue (copper), Tayistock 6	12	1500 West Polgooth (tin), St. Ewe & St. Mewan 120 West Trethellan (copper), Gwennap 1 024 West Wheal Friendship (copper)	1 1	DESIGNS FOR ARTICLES OF UTILITY REGISTERED.
rannack and Bosence, St. Feth. 1 regardent (ead), St. Teath. 1 releight Consols (copper), Redruth. 6 releight Consols (copper), Redruth. 1 releight Consols (copper), Redruth. 1 releight Consols (tin), St. Ive's. 4 releight Consols (tin), St. Ive's. 4 releight Consols (tin), Rest Helston, 9 retished and Harrier (copper). 1 retished Mines (copper), Gwennap. 20 retished Mines (copper), Gwennap. 300 ollington (copper) & tin), Perranutinnoc est Alfred Consols (tin), Perranutinnoc est Alfred Consols (tin), Perranutinnoc est Alfred Consols (copper), Redruth. 10 rest Caradon (copper), Liskeard. 20 rest Ding-Dong (tin). 8. Bilazey 10 rest Fard Consols (copper), St. Bilazey 10 rest Fard Consols (copper), St. Eth. 10 rest Fard Consols (copper), Camborne. 67 rest Toligas (copper), Camborne. 13 rest Wheal Frances (copper), Rillogan. 13 rest Wheal Transury (copper), Gwinear heal Fortseune (copper), Taylstock. 5 heal Langmaid (lead). 4 heal Margaret (tin), Uny Leiant. 79 heal Margaret (tin), Uny Leiant. 19 heal Reeth (tin), Uny Leiant. 19 heal Transury (cilver-lead), Liskeard. 3 lead Transury (cilver-lead), Liskeard. 3 lead Venton (aliver-lead), Liskeard. 3 remayer (tin and copper), Gwinear head Union (copper), Redruth. 40 lead Venton (aliver-lead), Liskeard. 3 remayer (tin and copper), Gwinear head Union (copper), Redruth. 40 lead Venton (aliver-lead), Liskeard. 3 remayer (tin and copper), Gwinear head Union (copper), Redruth. 40 lead Venton (aliver-lead), Liskeard. 3 remayer (tin and copper), Camborne 107 heal Trolawny (tilver-lead), Liskeard. 3 remayer (tilver-lead), Liskeard. 3 remayer (tilver-lead), Liskeard. 3 remayer (tilver-lead), Liskeard. 3 remayer (tilver-lead), Liskeard. 3	165 62 63 10	000 West Wheal Russell 500 West Wheal Towan (copper), Illogan 10 024 West Wheal Virgin (tin), Sancreed	5 15 18 Is	H. Martin and J. Smeihurst, Hyde, Chester, apparatus for planing the seatings a faces for alide-valves of steam-engines.  T. Whimster, North Port, Ferth, improvements in the wet gas-meter.
neal Pienty (copper), Redruth 19 heal Reeth (tin), Uny Leiant 20 heal Seton (tin and copper), Camborne 107 heal Trafusis (compare)	105 10 190 3	070 Wheal Adams (lead), Christow, Exeter 13 000 Wheal Agar (copper), Illogan 1000 Wheal Arthur (lead), near East Wh. Rose 1000 Wheal Arthur (silver-lead&cop.), Calstock	6 5‡ 5‡ 7 49	H. Martin and J. Smethurst, Hyde, Chester, apparatus for planing the seatings a faces for silder-valves of steam-engines.  T. Whimster, North Port, Perth, improvements in the wet gas-meter.  J. Nasmyth, Patricroft, Lancashne, sefety-valve for boilers and generators.  G. D. Alderson and Co., Blenheim-street, oxford-street, podenomic refrigerator.  T. Edington, and Sons, Glasgow, self-acting hot-sir range.  J. Welsh and J. Margotson, Chespelde, the European cravat.  Parker and Acott, Birmingham, everpointed magnum-bonum pencil.  L. Heles, Leeds, het.
heal Trelawny (sliver-lead), Liskeard. 31 heal Tremayne (tin and cop.), Gwinear 91 heal Union (copper), Redruth	53 54 531 544 30 45 50 24	wheal Augusta (tin), St. Just	2 24 15 0 26 14 5	Parker and Acott, Birmingham, everpointed magnum-bonum pencil.  L. Hicks, Leeds, hat. C. Hodges, Devon, ribbon protector or reel.
heal Venton (silver-lead), Liskeard 3‡ FOREIGN MINES.	Paid. Present Price.	024 Wh. Carpenter (lead & cop.) S. Sydenham 000 Wheal Caradon (copper), St. Cleer	1 1 1 1 1 1 1 21 61 7 8 7	Parker and Acott, Birmingnam, everpointed magnum-bound pencia. L. Hicks, Leeds, hat. C. Hodges, Devon, ribbon protector or reel. H. and W. Turner, Sheffield, cyma rector fire-irons, T. Glover, Suffolk-street, Clerkenwell, gas-light economic regulator. H. C. Hurry, Manchester, sheet glass for covering buildings. L. Martin, Killylesgh-Mills, Down, Ireland, flax-dressing holder.
ten Mining Company (copper), Norwaysstralian (copper), Soath Australia	144 3 4 14 14	Wheal Cubit (copper), Gwennap	31 3 3 9 18	the sold word hardware and already as a boundary of the sold and the s
obre Copper Company (copper), Cuba	40 38 14 6; Scotla 20 14	182 Wheal Ennis (lead), St. Erme	2 20 34 104 11 8 84 0 65	H. Bell, Millbank, balloon valve. H. Stoy, Lambeth, railway break or stop. W. N. Crips, Hockley-bill; and W. Dugard, jun., Birmingham, railway tender at J. Fiddler and J. Ramsbottom, Derbyshire, water meter. S. Charles, Calthorpo-street, apparatas for cooling and freezing. S. Lowry, St. John-street-road, dead seconds watch. R. Howson, Manchester, packing-ring segment for piston safety-valve. E. Dove, Forster-street, City-road, safety envelope. W. W. Nicholson, Newark-upon-Trunt, cooking stove. C. Bolton, Dornest-street, Fortman-square, stitching machine. C. H. Moysen, Calthorpo-street, irrigator to be worked by hand. J. E. Townshend, St. George's-place, Camberwell, invalid's bedstead. S. Cox, Walsall, Albert stirrup and stirrup leather; draw-mouth clipper bit. A. Bienkinsop, Waterloo-road, galvanie rod.
inzigithal Mining Association (silver), German inares (lead), Spain tito Preference	7 · · · · · 2 · · · · · · · · · · · · ·	Wheal Friendship (copper)	2 6 6 6	S. radier and J. ramsootton, Derbyante, water meter.  S. Charles, Cathorpe-street, apparatus for cooling and freezing.  S. Lowry, St. John-street-road, dead accords watch.  R. Howann, Manchester, ranking-ring according to picton asfety, valve.
FOREIGN MINES.  Iten Mining Company (copper), Norway astralian (copper), Soath Australia razilian Jusperial (gold), Brazil obre Copper (Company (copper), Chili soneral Mining Association (iron & coal), Nora insightal Mining Association (aliver), German, insteptial Mining Association (aliver), German, interes (lead), Spain itto Preference cuican and South American (copper), Mexico actional Occupany (aliver), Mexico cuican South American (copper), Mexico actional Brazilian (gold), Brazil ortis British Australesian (copper), S. A. & Ne eyal Santiago (copper), Cuba L. John del Rey (gold), Brazil inted Rezican (aliver), Mexico cething (copper), Adexico Cething (copper), Mexico Cething (copper), Mexico Cething (copper), Mexico	9 9 14 2 14 25	024 Wheal Harris (lead), near Taylatock 560 Wheal Harris (copper), Camborne	4 14 1 1 14 1	E. Dove, Forster-street, City-road, safety envelope. W. W. Nicholson, Newark-upon-Trent, cooking stove. C. Bolton, Dorset-street, Portman-surganare, attenting machine.
oyal Santiago (copper), Cuba  t. John del Rey (gold), Brasil nited Mexican (silvar), Marko	10 71 71 60 16 16 10	216 Wheal Henry (copper), Kea, near Truro 20 000 Wheal Langford (copper and silver-lead) 000 Wheal Lemon, Germoe	3 2 2½ 32 2½	C. H. Moysen, Calthorpe-street, irrigator to be worked by hand. J. E. Townstend, St. George's-place, Camberwell, invalid's bedstead. S. Cox, Walsall, Albort stirrup nat stirrup leather; draw-mouth clipper lat.
WENNIE WILLIAM TO THE PARTY OF	TENNESS AND THE PERSON OF THE	Polgear (copper and tin) Polymery (consols (tin), Towednack Rinoswydol and Bacheiddon (lead) Rinoswydol and Rinoswydol (lead) Rinoswydol (lead) Rinoswydol and Rinoswydol (lead) Sider Friendalip (lead) South Friendalip (lead) Traunack United Mines (in and copper) Traunack United Mines (in and copper) Traunack United Mines (in and copper) Trewille (lead), Lewanick T	6 74 2	Chadburn, Brothers, Sheffield, barometer tube.
ticulars of the following mines, though not incl farnished by known correspondents, on whose s Parid.	authority they are published: - 10	090 Wheel Oak near Helston	14 14	A. E. Loradoux, Catthorpo-street, pencie catter. C. H. Moysen, Calthorpo-street, irrigator for making furrows or treatches of fixed of J. F. C. Noel, Calthorpo-street, bit.—Mechanics' Magazine.
Mt-y-Crib (silver-lead), Talybont 5 ppledore (allver-lead and cop.) St. Ives alleavidden (tin), St. Just	10 10j 55	40 Wheal Owies, St. Just	2 4 5 7 4 2 4	CURRENT PRICE OF GOLD AND SILVER.  Portugal gold, in coin per oz. £3 17 5   Mexican dollars per oz. £0 4 11    Foreign, in bars 3 17 9   Spanish doubloons 8 16 6
aincon Consols (tin), Uny Lolant	104 104 41 5 41 41 41	256 Wheal Prudence (copper), St. Agnes 5 00 Wheal Russell (copper), Tavistock 5 00 Wheal Ruth (tin), Shepstor 5	11 11 11	DIVER HINNEY COMPANY
perobasera (astron someth) question flustration will	100	034 Wheal Squire (copper), St. Erth	14 2 14 2	The number of passengers who passed through the Tunnel in the week ending April was 20,386. Amount of money, £84 18s. 10d.
Mi-y-Orib (silver-lead), Talybont 5 ppledore (aliver-lead and cop.) St. Ives 14 silnewiden (in), St. Just 114 silnewiden (in), Uny Leiant 114 silnewiden (in), Uny Leiant 114 silnewiden (in), Uny Leiant 114 silnewiden (in), Scath Walse 60 domini Moor Oonsole (ith and copper) 1 domini Moor Oonsole (ith and copper) 1 domini Wheel Mary (copper), Bodmin 7 domowe	44 44	Nical Sophia (allver-lead), Lezant.  Wheal Susan, Broage and Crowan  Wheal Sydney, Plympton.  Wheal Tom (in & copper), Stoke Clima.  Wheal Tremaine (copper), St. Ervan.  11  11  12  Wheal Trelusbeck, Stythians.		London: Printed by Richard Middleton, and published by Herrat Evalual (the printed by Richard Middleton, and published by Herrat Evalual (the printed by He